

FIG. 1

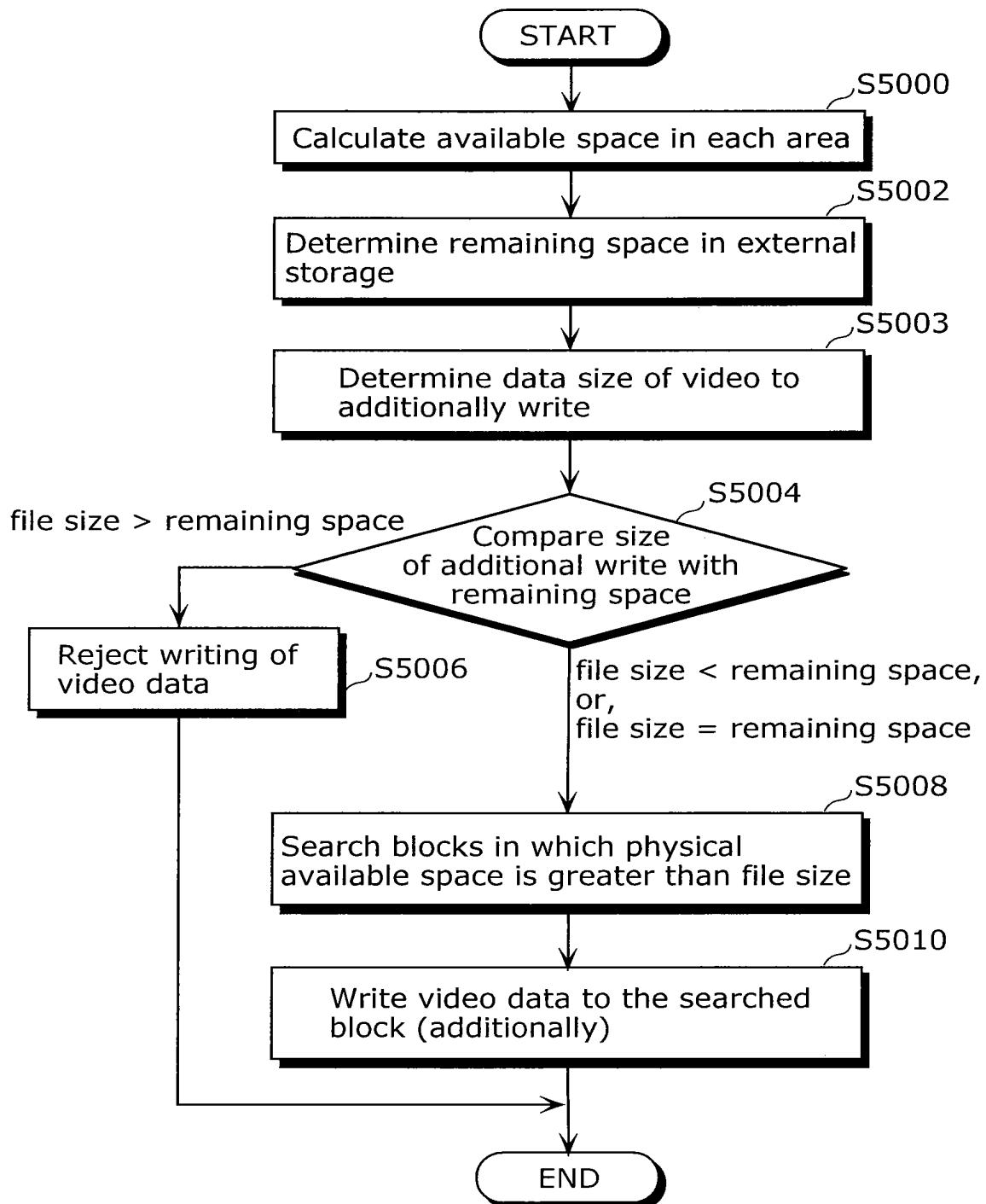


FIG. 2

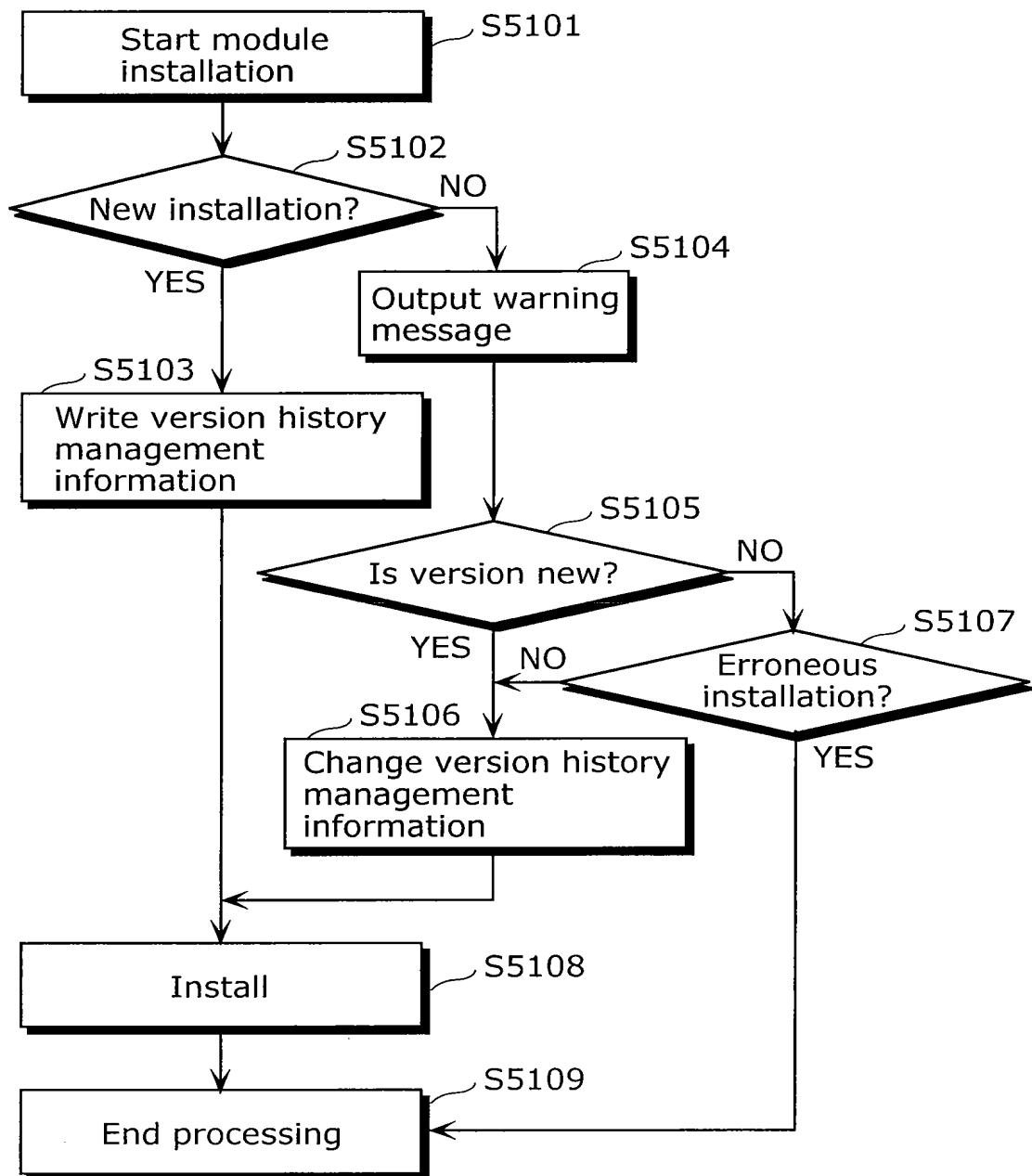


FIG. 3

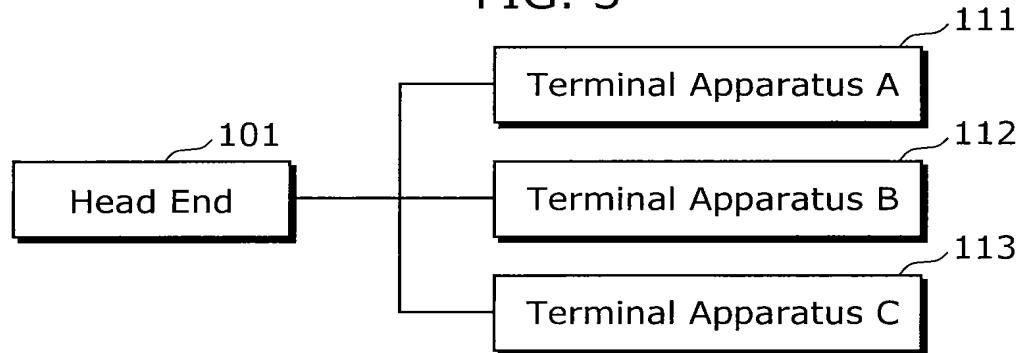


FIG. 4

Frequency	Use	Modulation Type
5~130MHz	Out Of Band (OOB) Data exchange between head end and terminal apparatus	QPSK
130~864MHz	In-band Normal TV broadcast that includes video/audio	QAM

FIG. 5

Frequency	Use
70~74MHz	Sending data from head end 101 to terminal apparatuses
10.0~10.1MHz	Sending data from terminal apparatus A111 to head end 101
10.1~10.2MHz	Sending data from terminal apparatus B112 to head end 101
10.2~10.3MHz	Sending data from terminal apparatus C113 to head end 101

**FIG. 6**

Frequency	Use
150~156MHz	TV channel 1
156~162MHz	TV channel 2
310~311MHz	Radio channel 2

FIG. 7

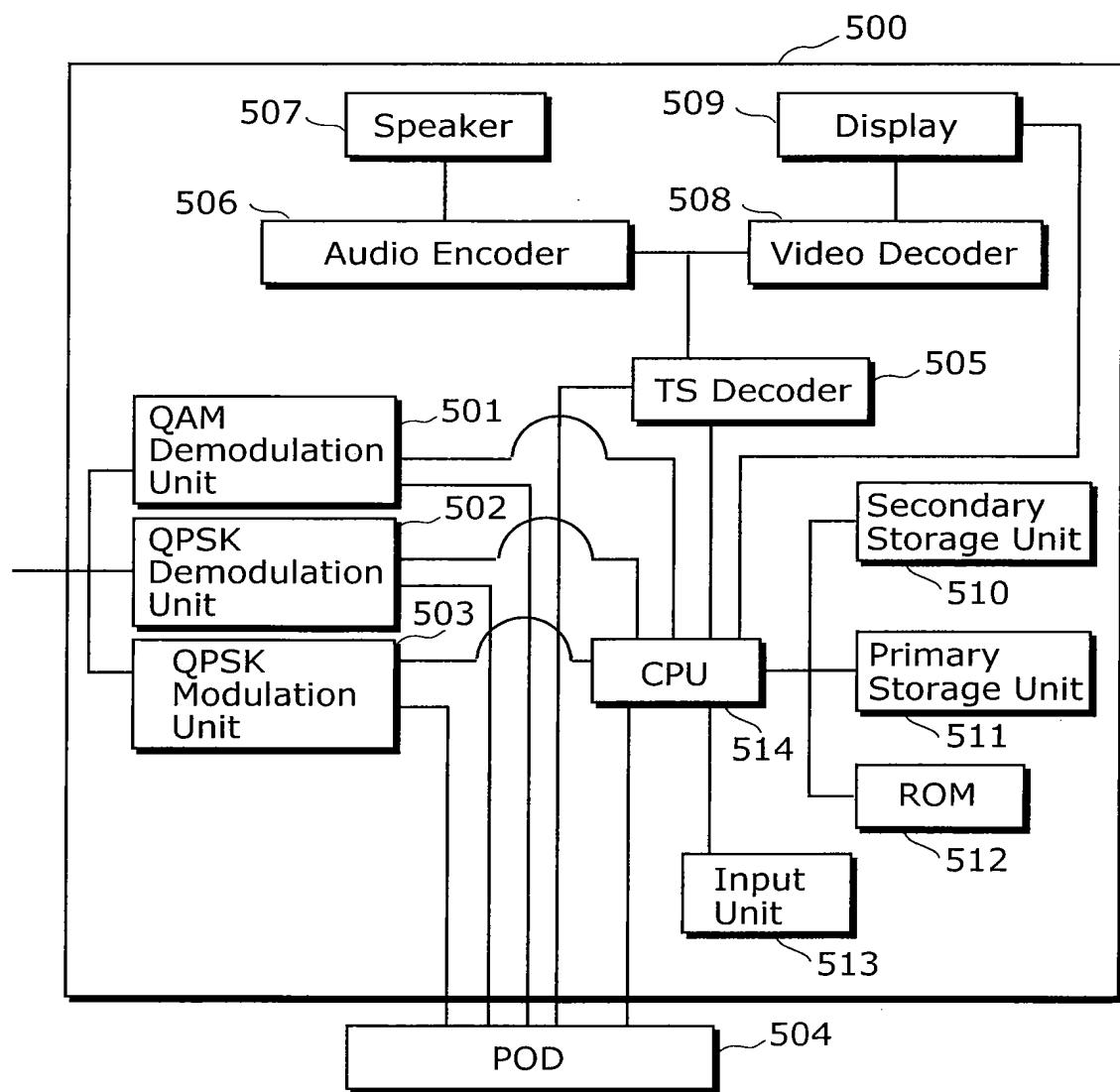


FIG. 8

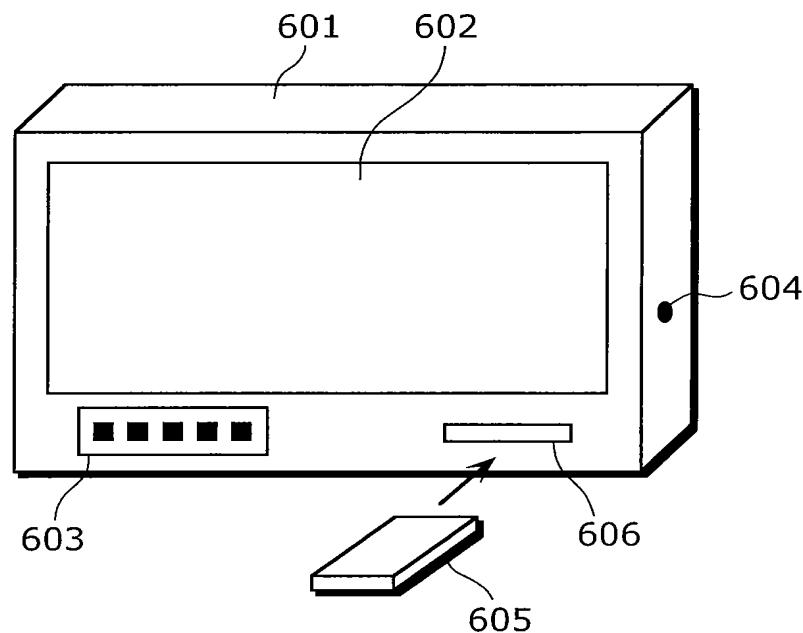


FIG. 9

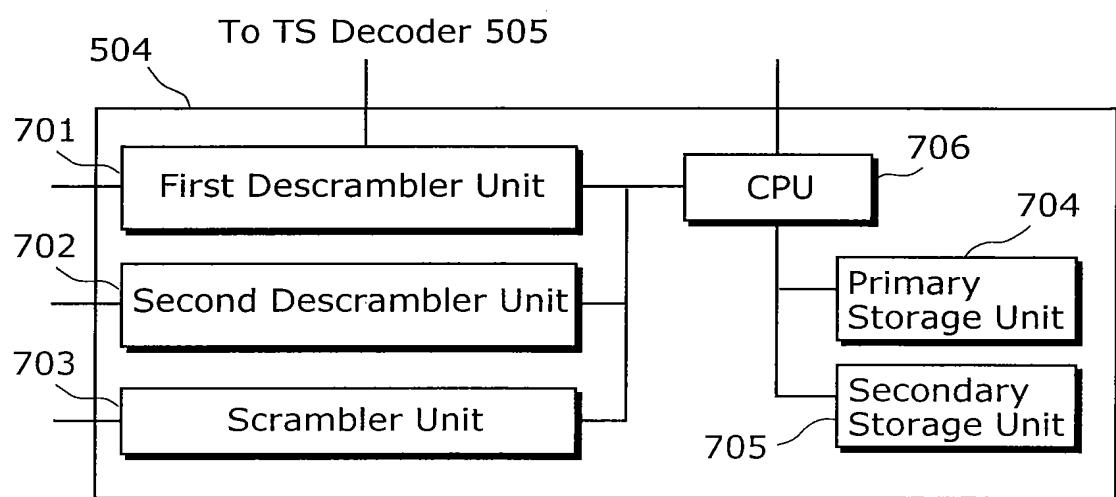


FIG. 10

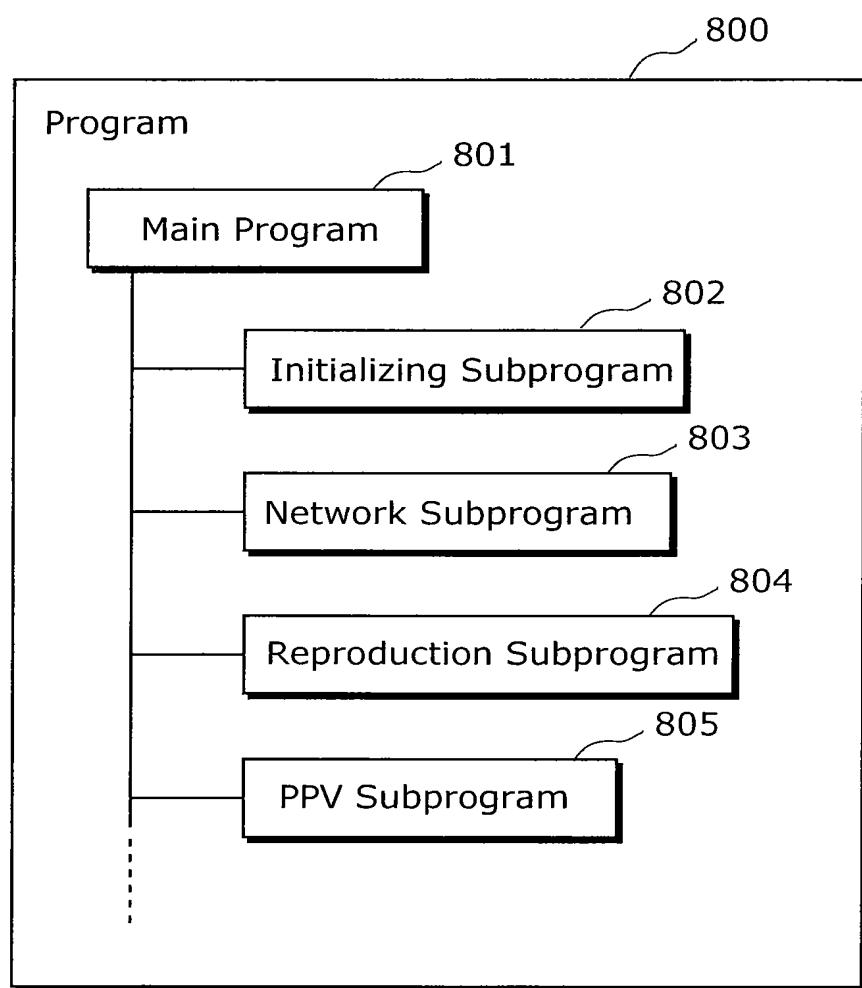


FIG. 11

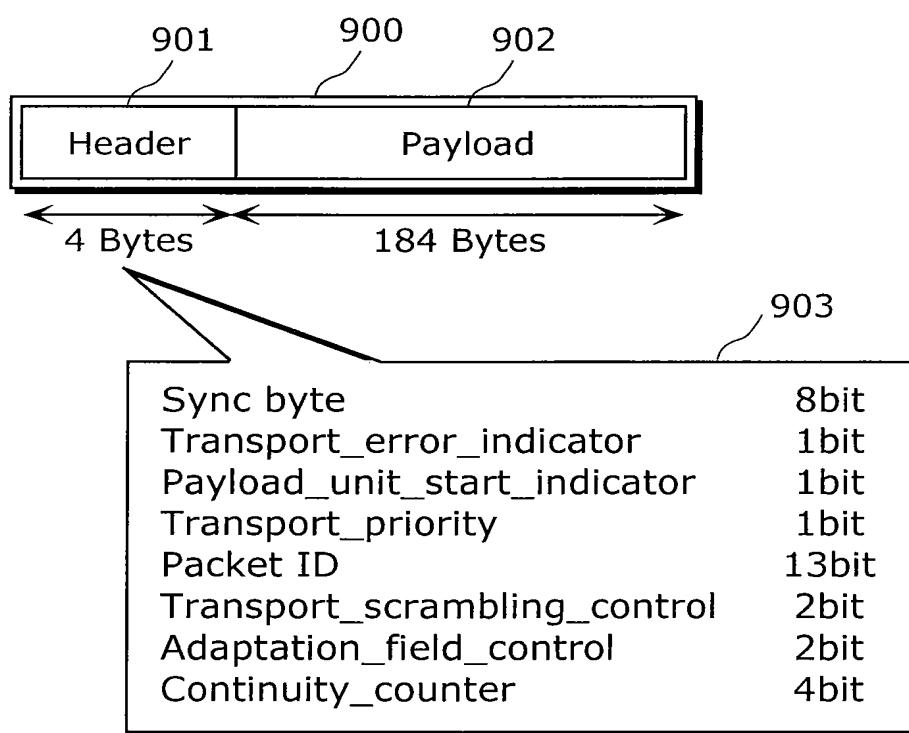


FIG. 12

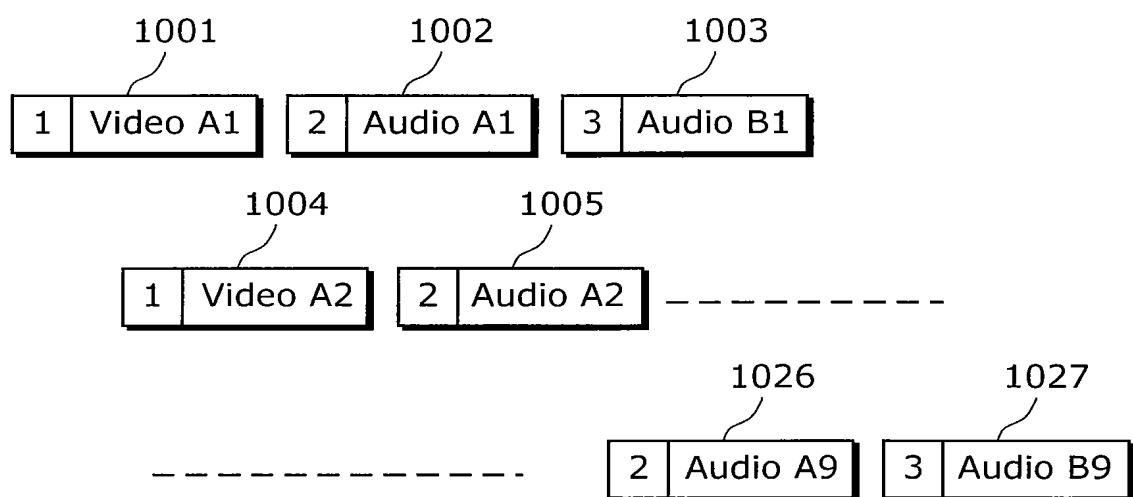


FIG. 13

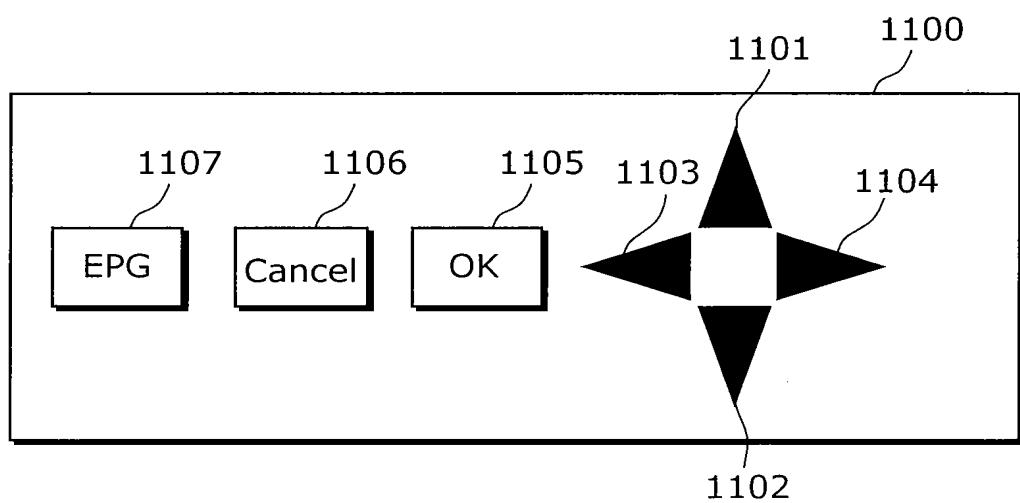


FIG. 14

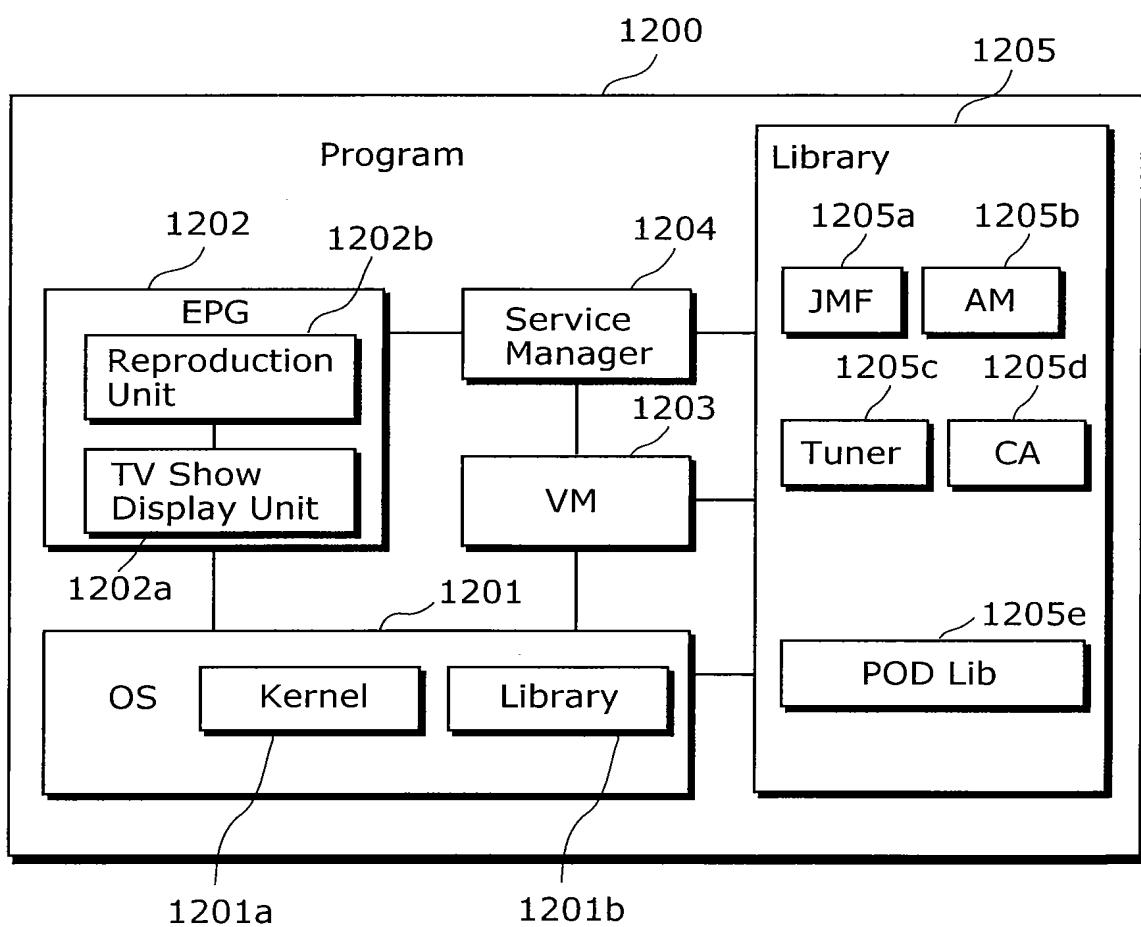


FIG. 15A

The diagram shows a television screen with a rounded rectangular frame. Inside the frame, there is a table with three columns: 'Time', 'Channel 1', and 'Channel 2'. The 'Time' column lists three time intervals: '9:00-10:00', '10:00-11:00', and '11:00-12:00'. The 'Channel 1' column contains the text 'News 9' for the first two intervals and 'Movie AAA' for the third. The 'Channel 2' column contains the text 'Movie BBB' for the first interval and 'News 11' for the second. Above the table, four labels are connected by lines to specific parts of the screen: '1301' points to the top left corner, '1330' points to the top center, '1302' points to the top right corner, and '509' points to the top edge on the far right.

Time	Channel 1	Channel 2
9:00-10:00	News 9	Movie BBB
10:00-11:00		
11:00-12:00	Movie AAA	News 11

FIG. 15B

This diagram is identical in structure to FIG. 15A, showing a television screen with a table for two channels. The 'Time' column has three intervals: '9:00-10:00', '10:00-11:00', and '11:00-12:00'. The 'Channel 1' column shows 'News 9' for the first two intervals and 'Movie AAA' for the third. The 'Channel 2' column shows 'Movie BBB' for the first interval and 'News 11' for the second. The labels '1301', '1330', '1302', and '509' are positioned above the screen in the same manner as in FIG. 15A.

Time	Channel 1	Channel 2
9:00-10:00	News 9	Movie BBB
10:00-11:00		
11:00-12:00	Movie AAA	News 11

FIG. 16

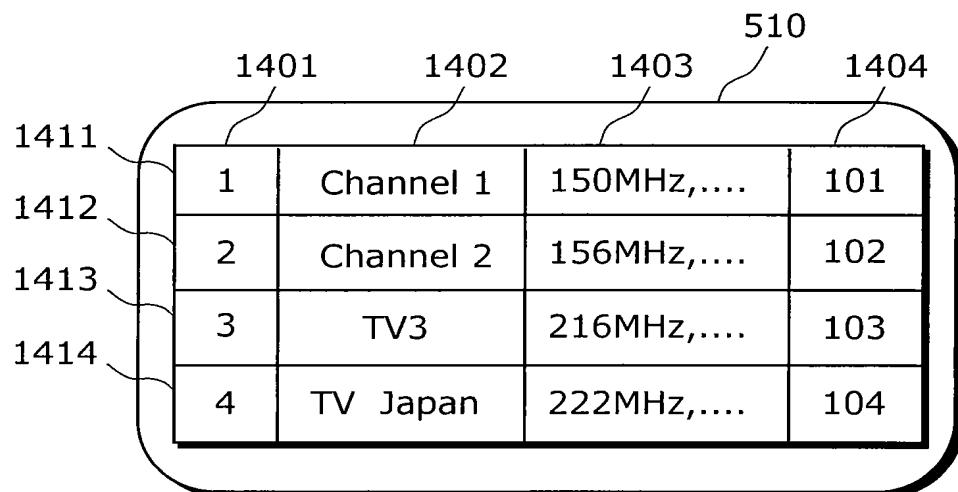


FIG. 17A

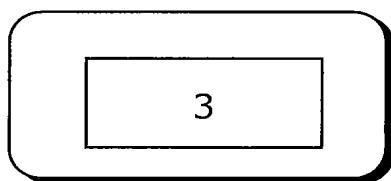


FIG. 17B

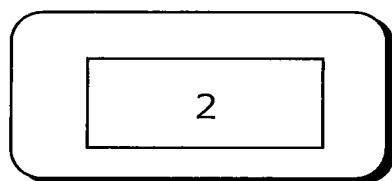


FIG. 17C

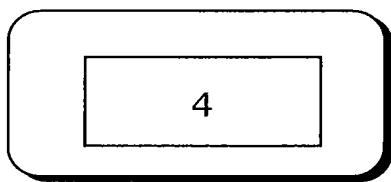


FIG. 18

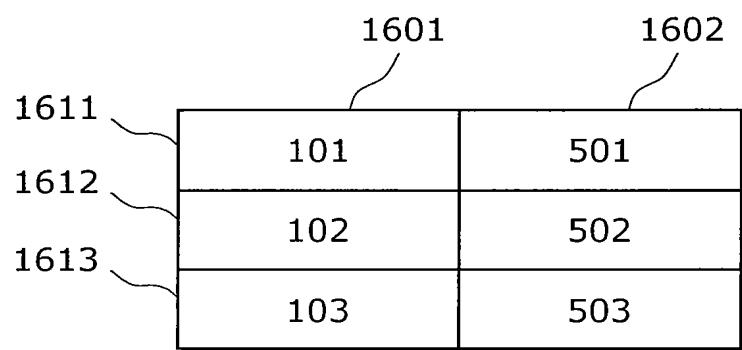


FIG. 19

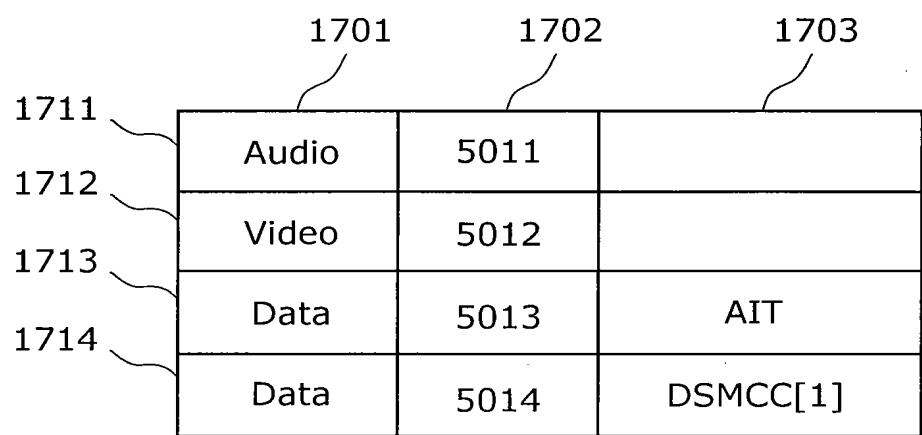


FIG. 20

1801	1802	1803	1804
1811	301	autostart	1
1812	302	present	1
			/a/TopXlet
			/b/GameXlet

FIG. 21

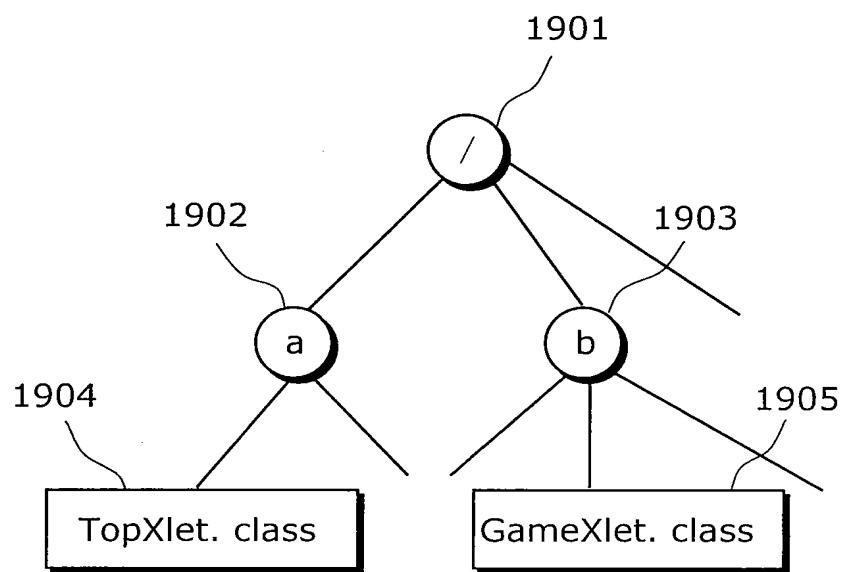


FIG. 22

	2001	2002	2003	2004	2005	2006	2007
2011							
2012	701	autostart	1	/a/APP1Xlet	200	100	APP1
	702	present	1	/b/APP2Xlet	201	200	APP2

FIG. 23

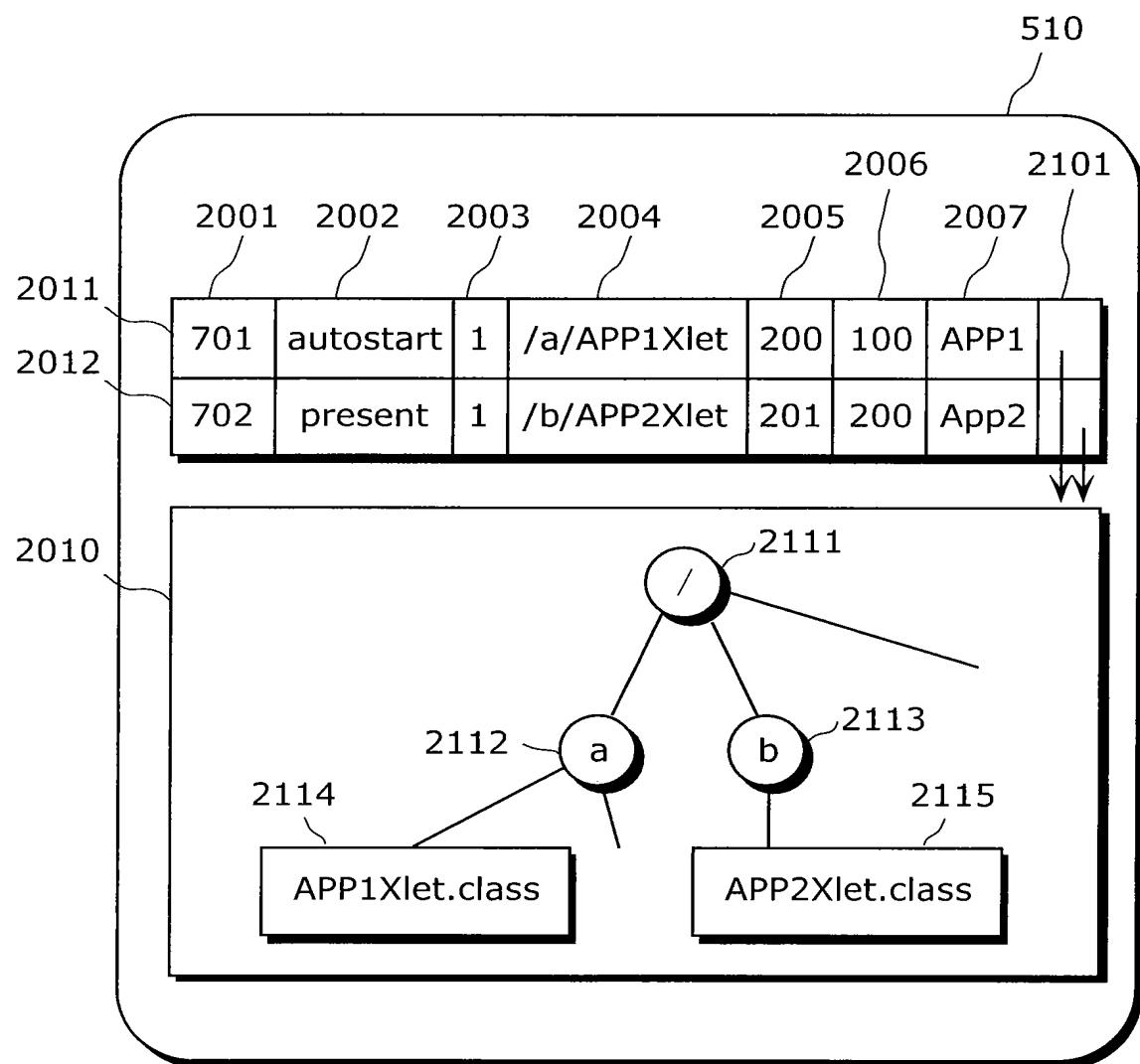


FIG. 24

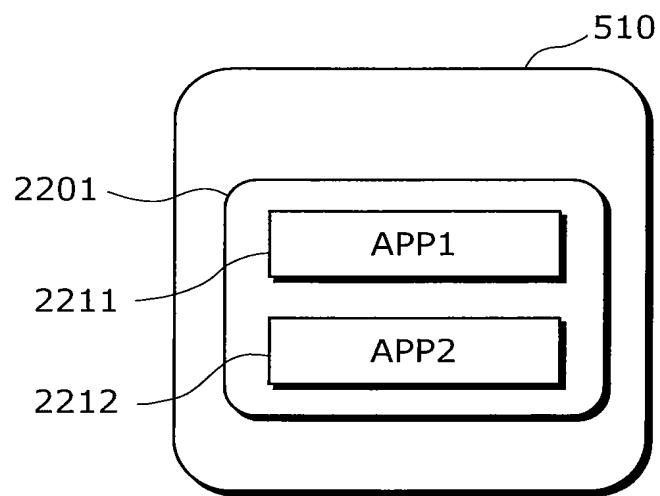


FIG. 25

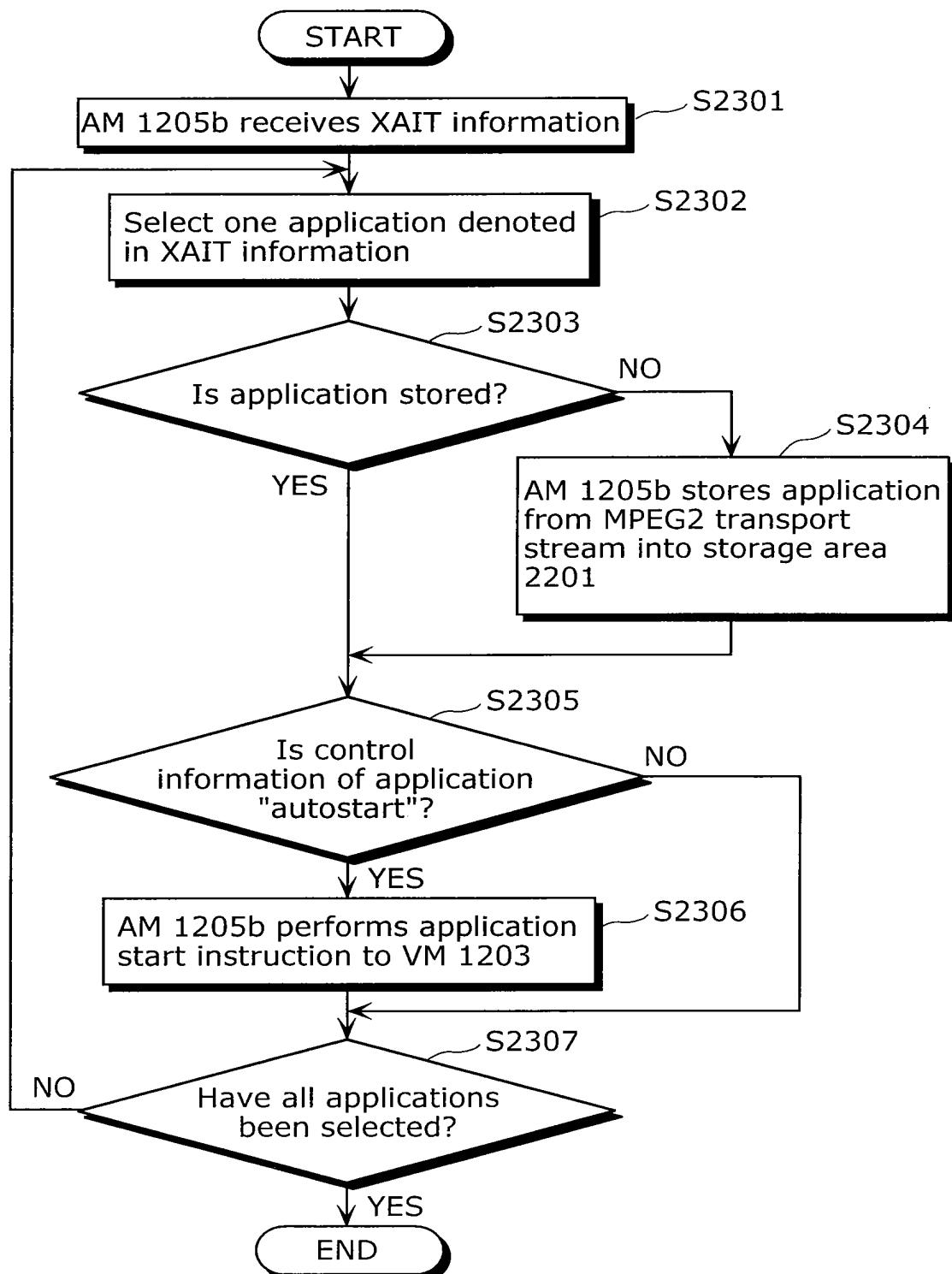


FIG. 26

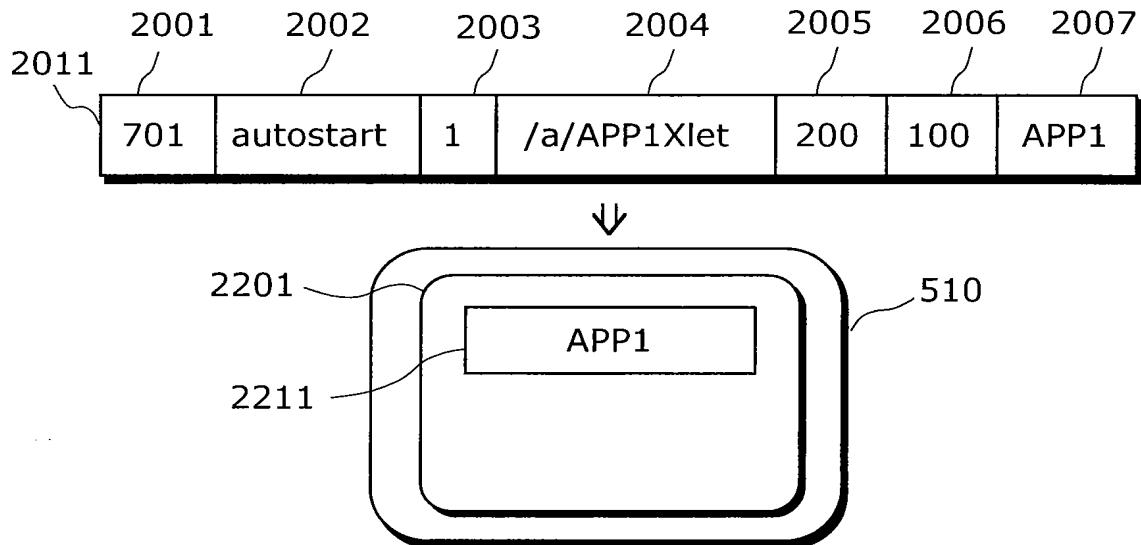


FIG. 27

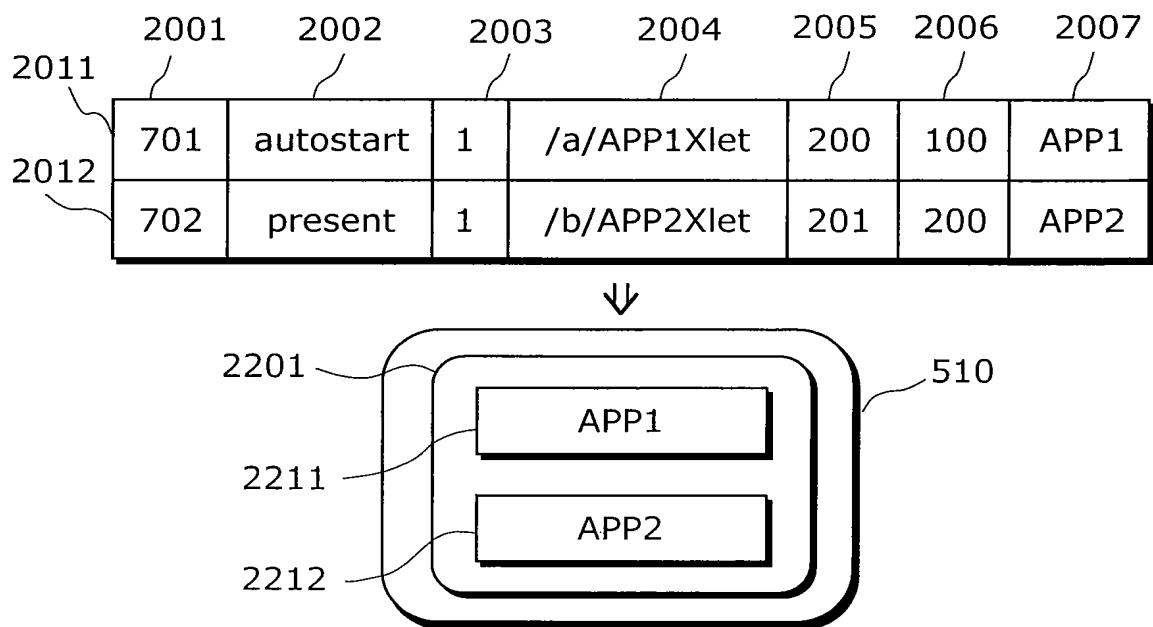


FIG. 28

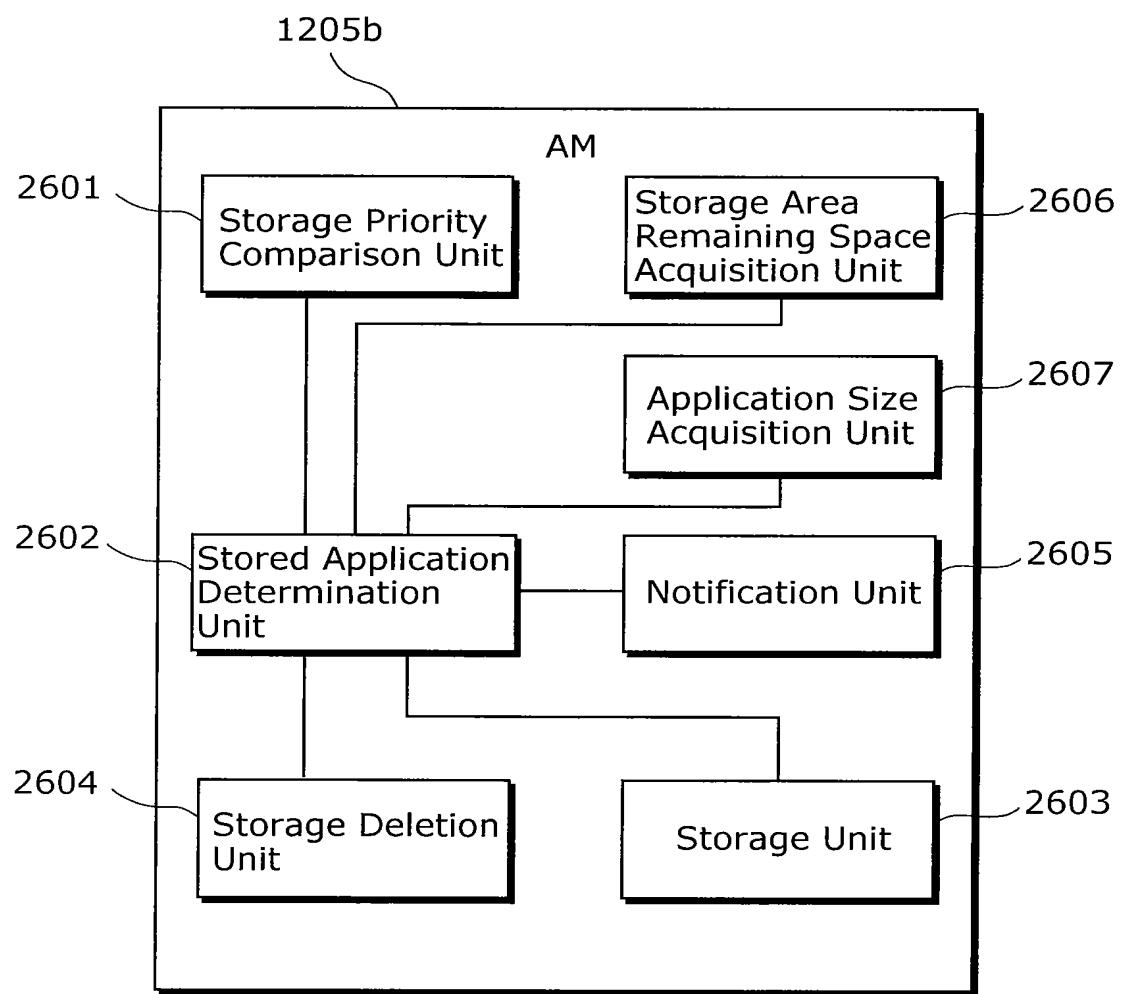


FIG. 29

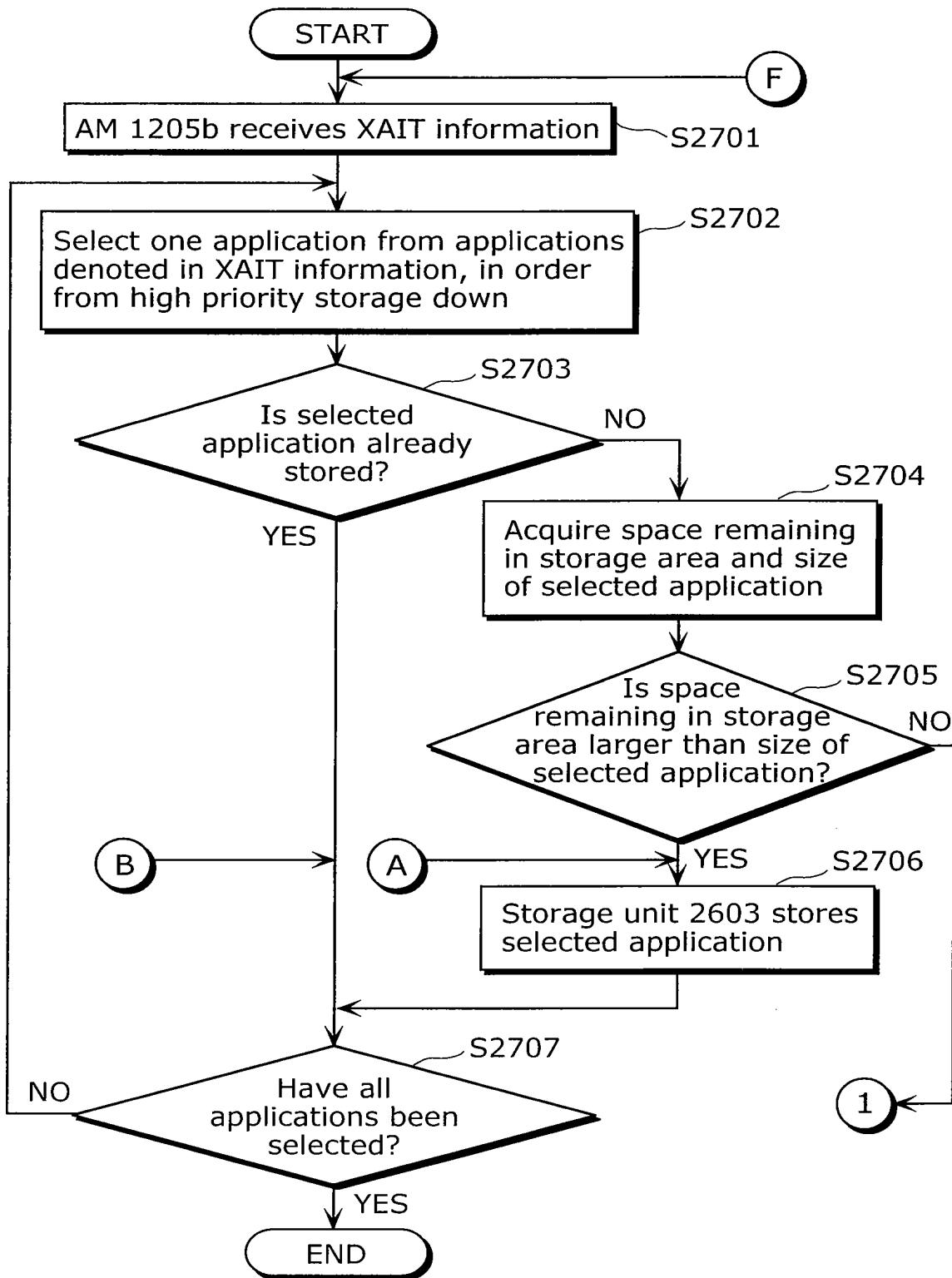


FIG. 30

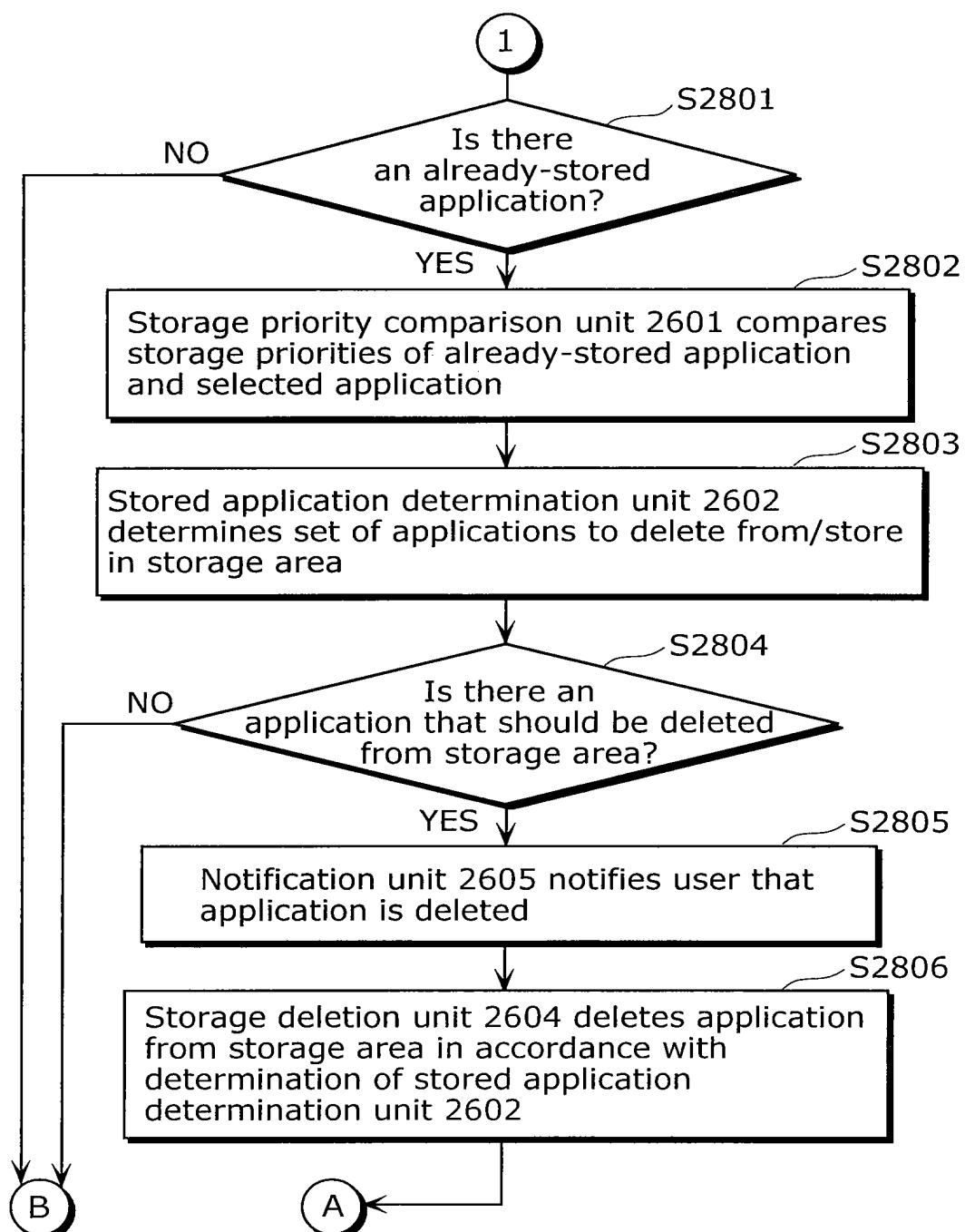


FIG. 31

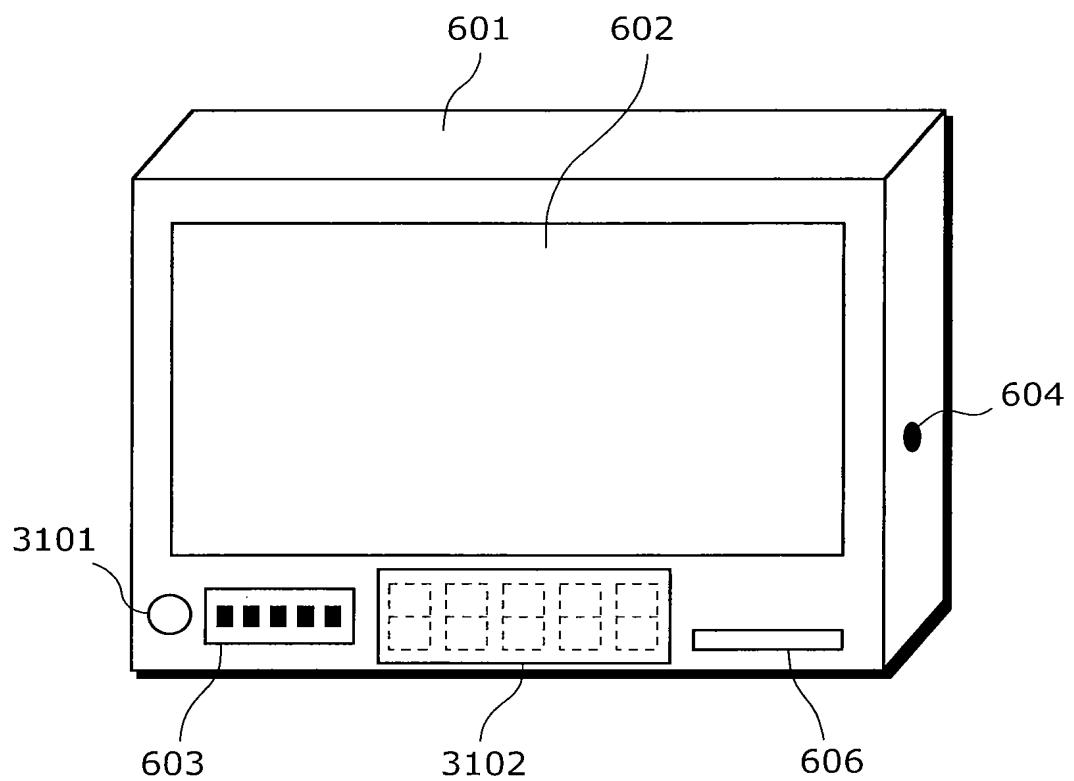


FIG. 32

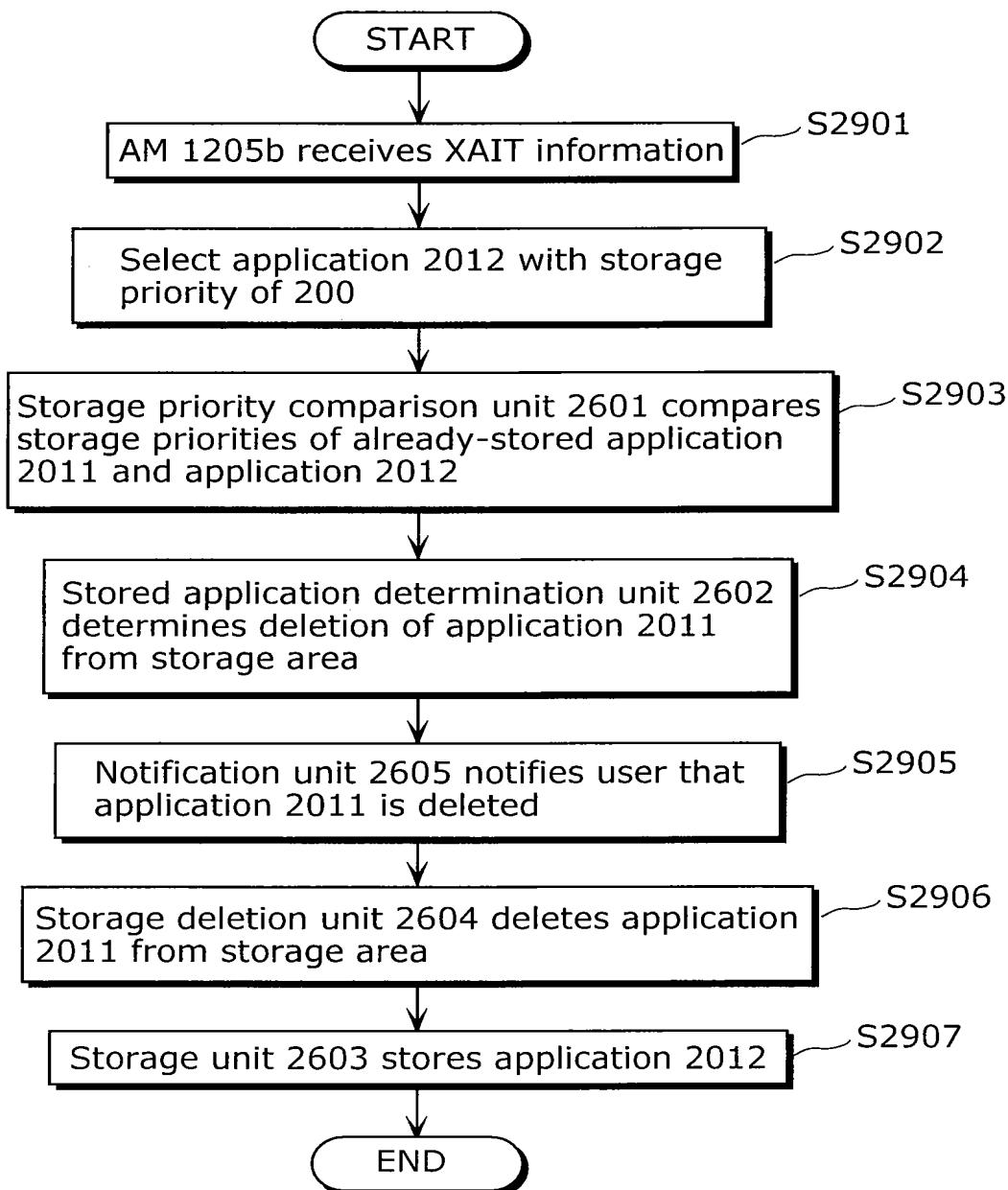


FIG. 33

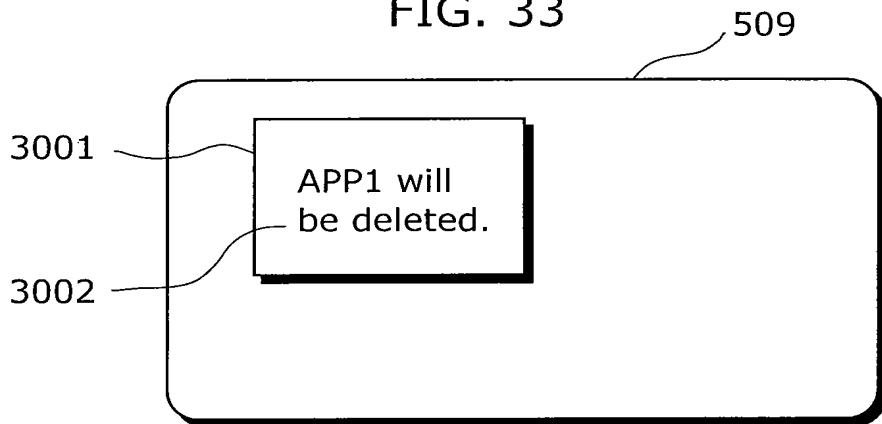


FIG. 34A

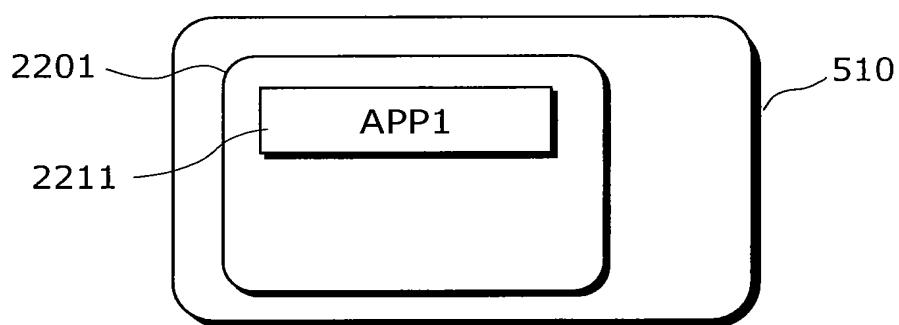


FIG. 34B

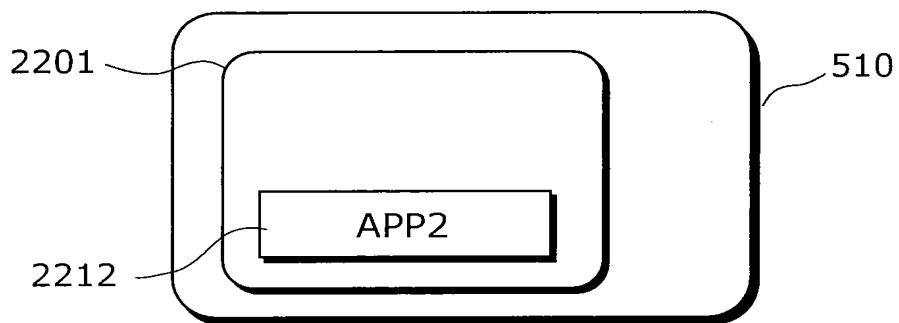


FIG. 35A

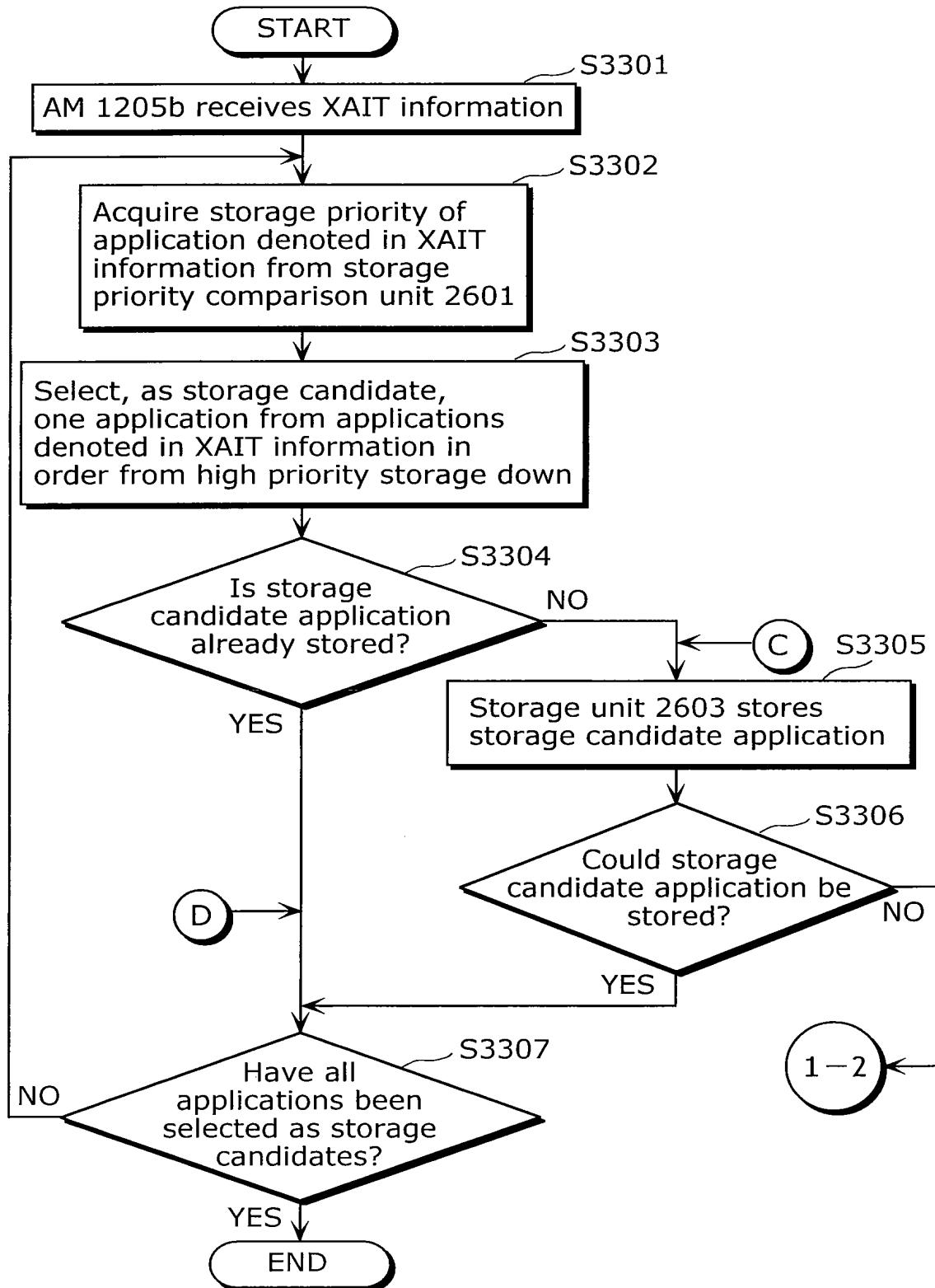
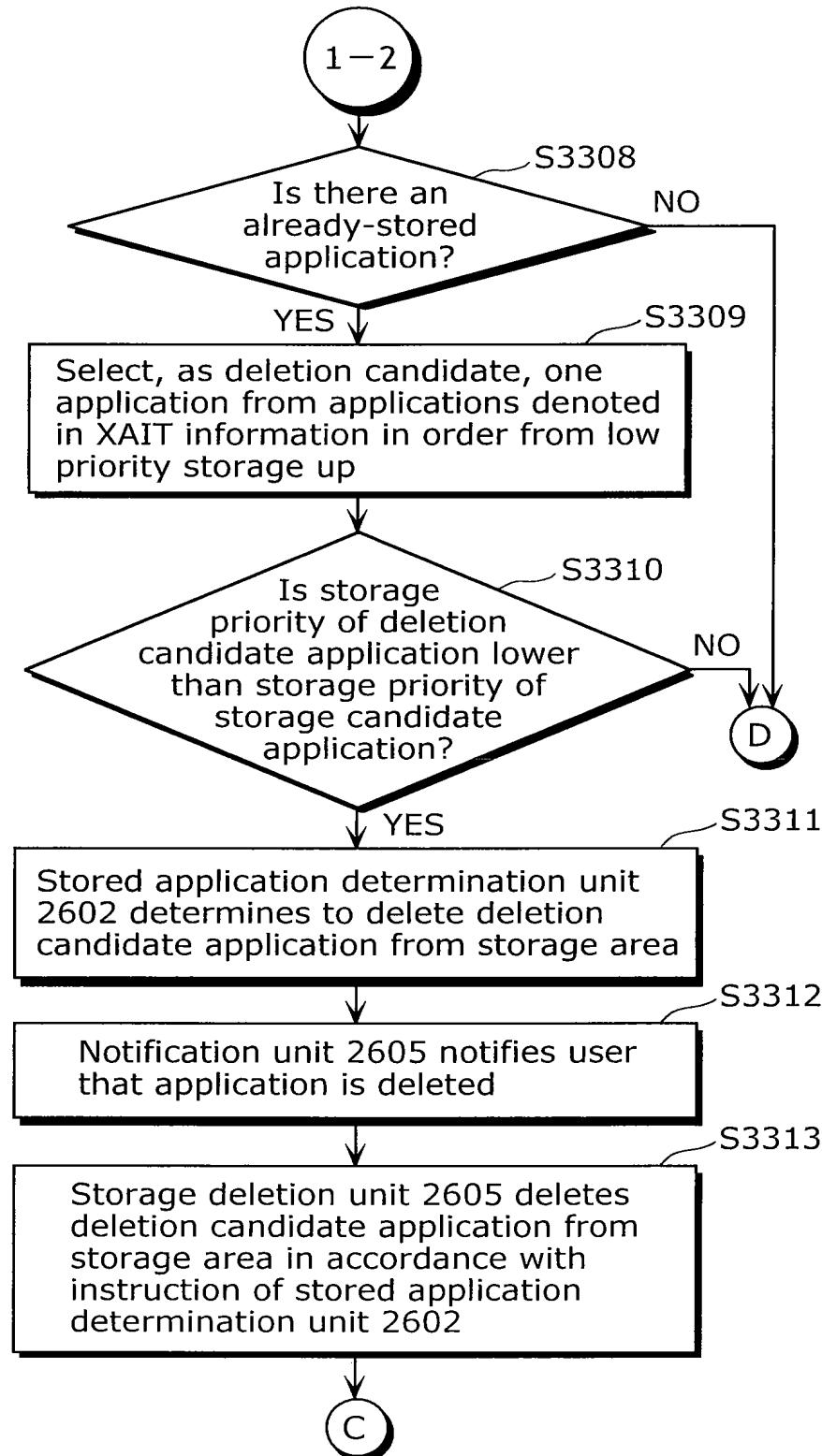


FIG. 35B



**FIG. 36**

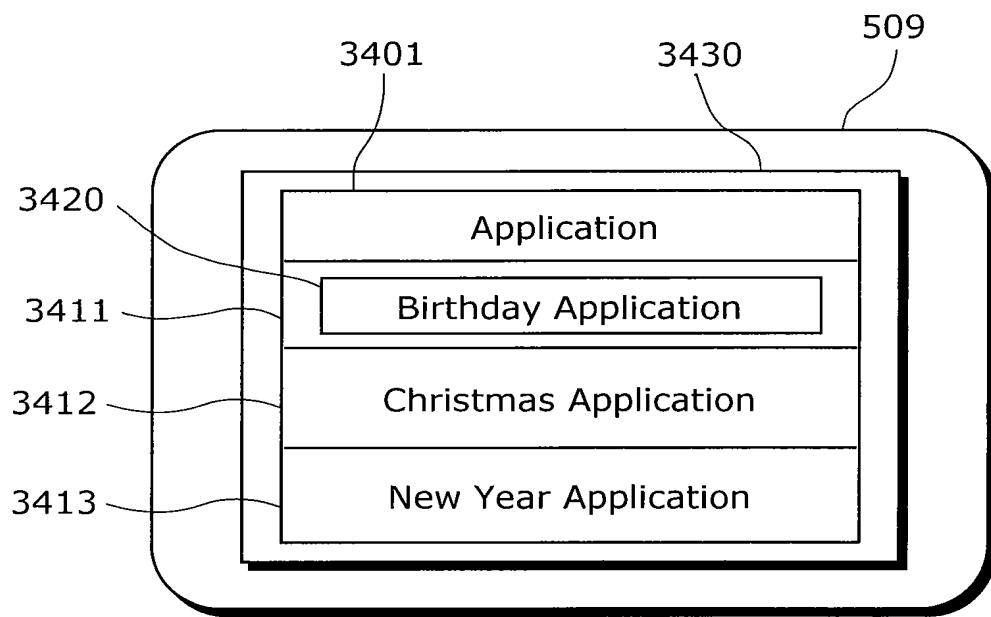


FIG. 37

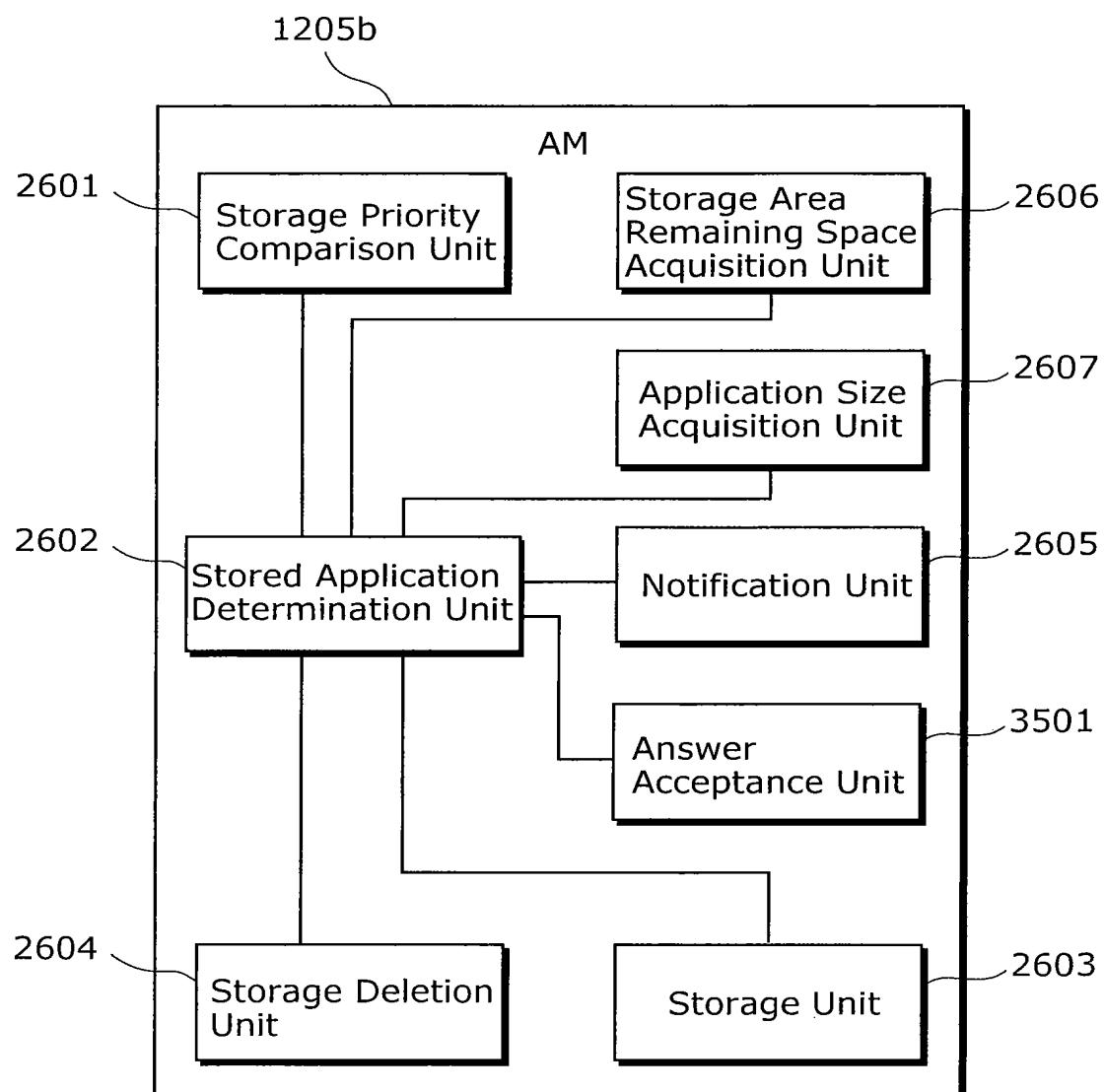


FIG. 38

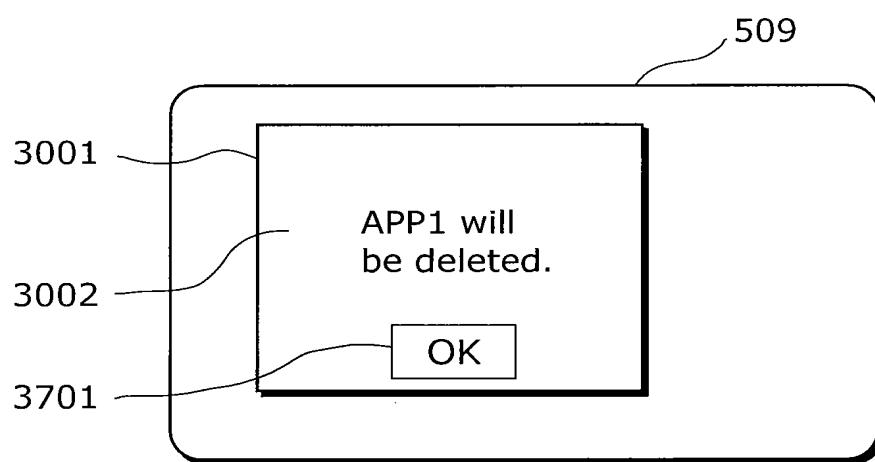


FIG. 39

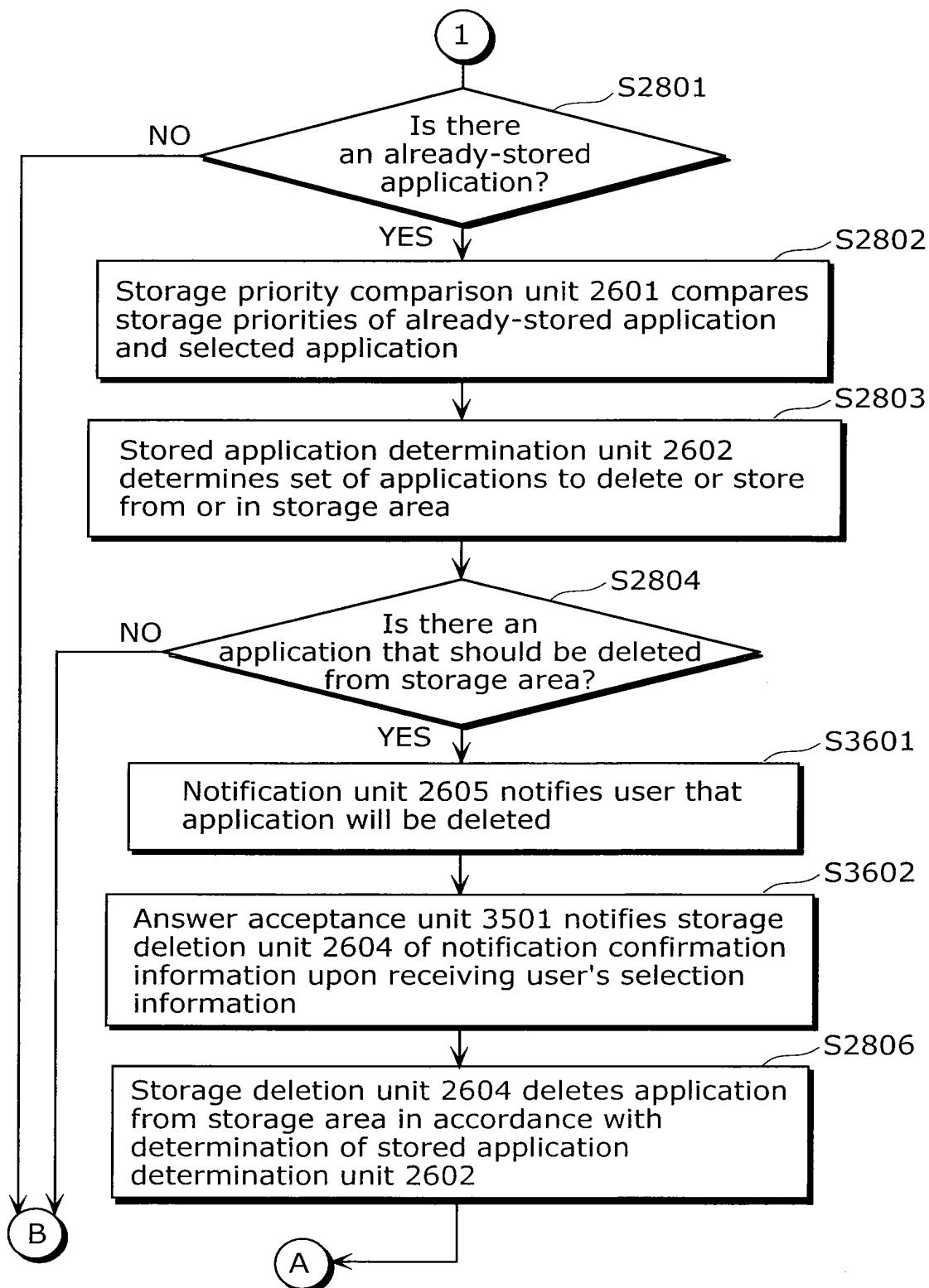


FIG. 40

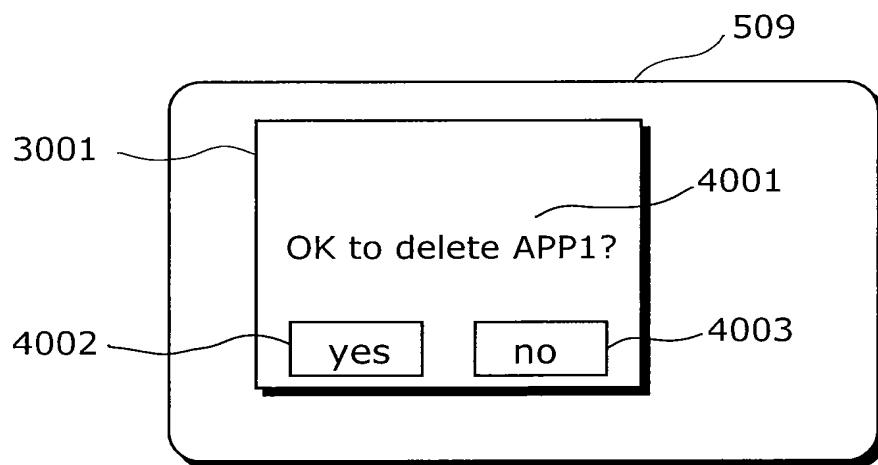


FIG. 41

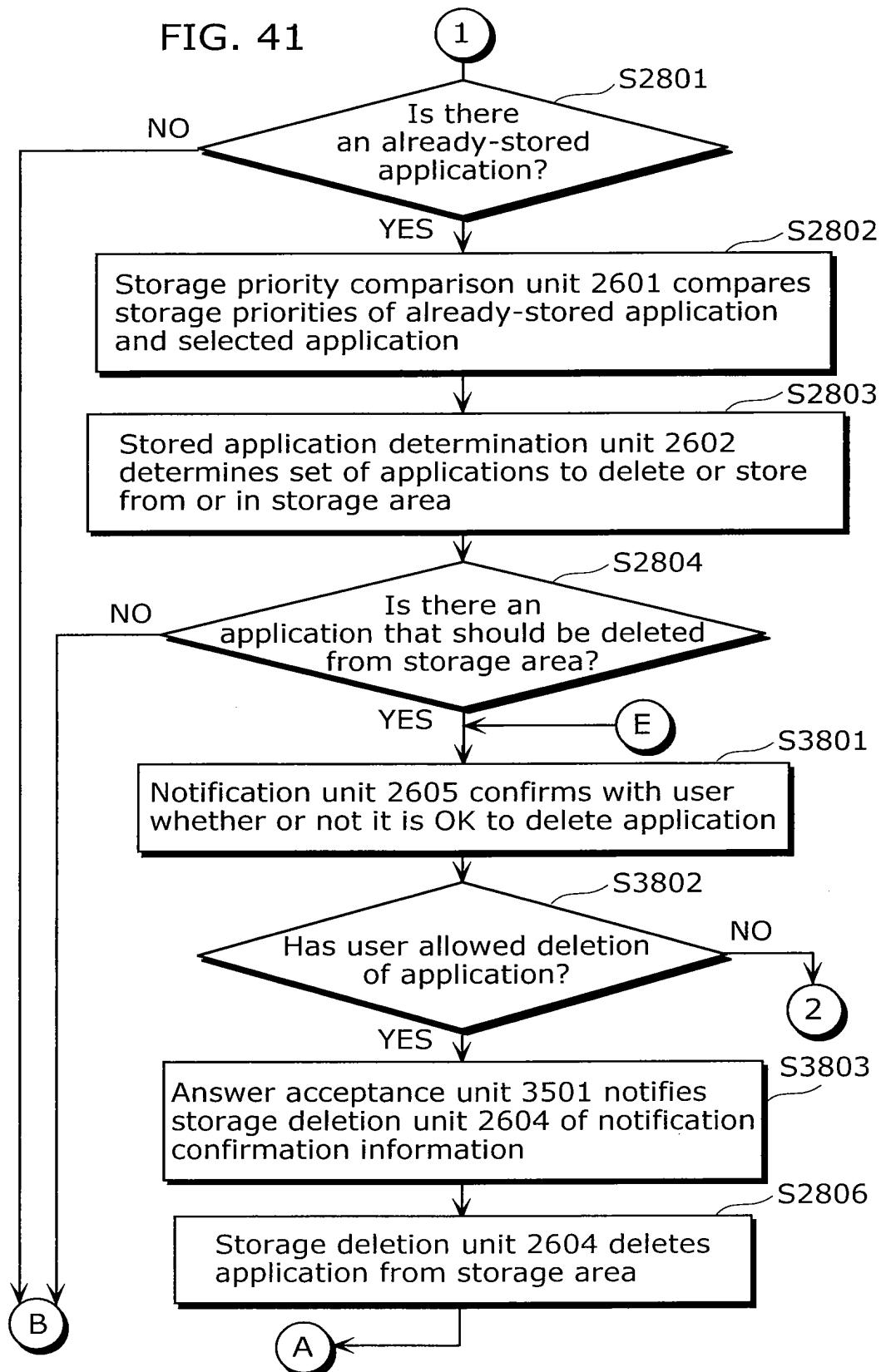


FIG. 42

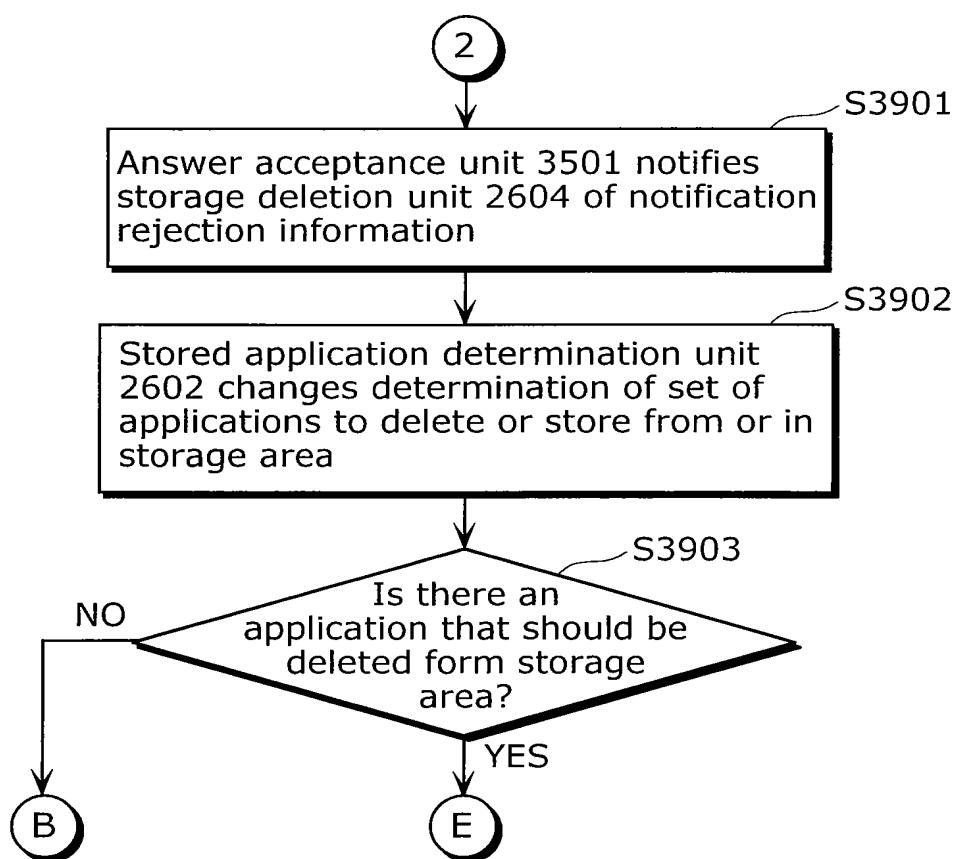


FIG. 43

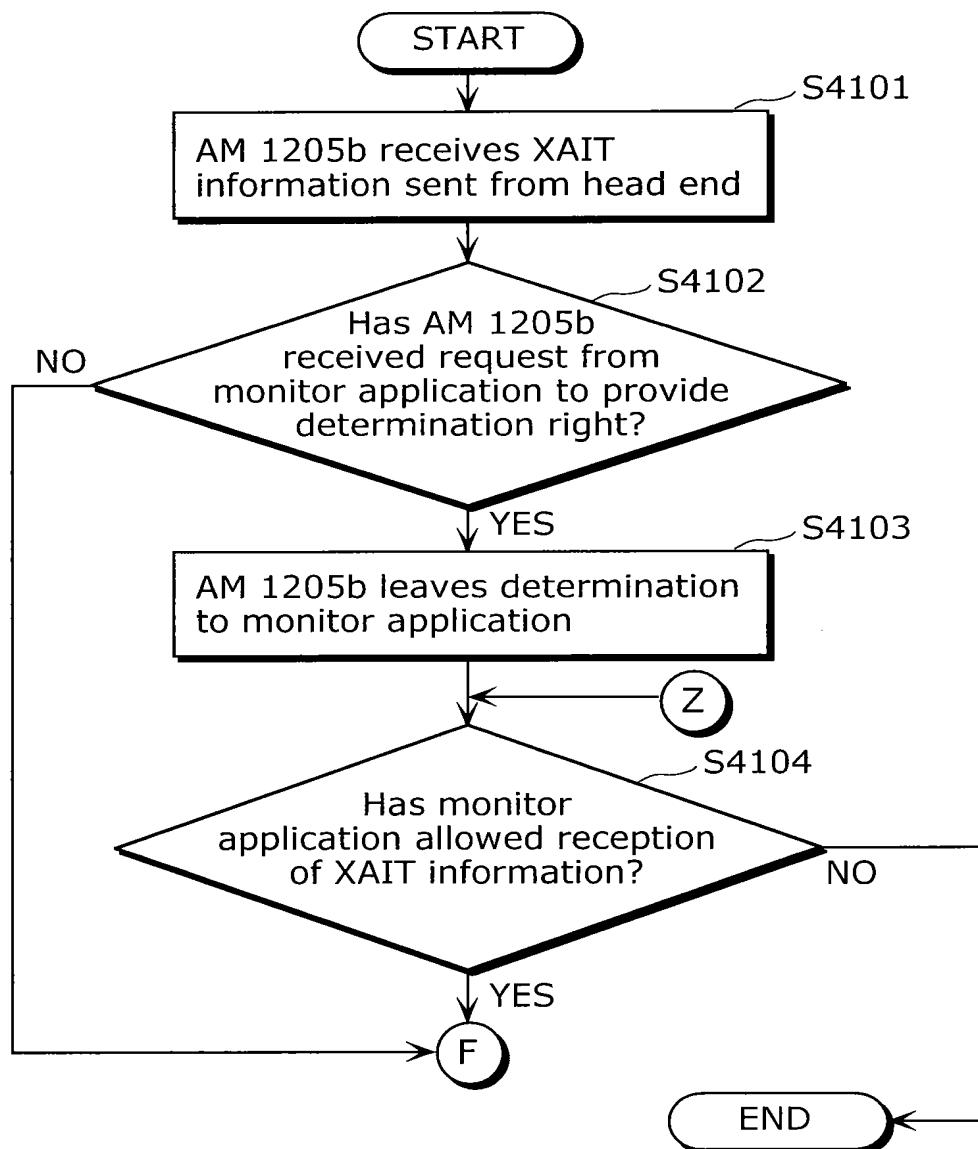


FIG. 44

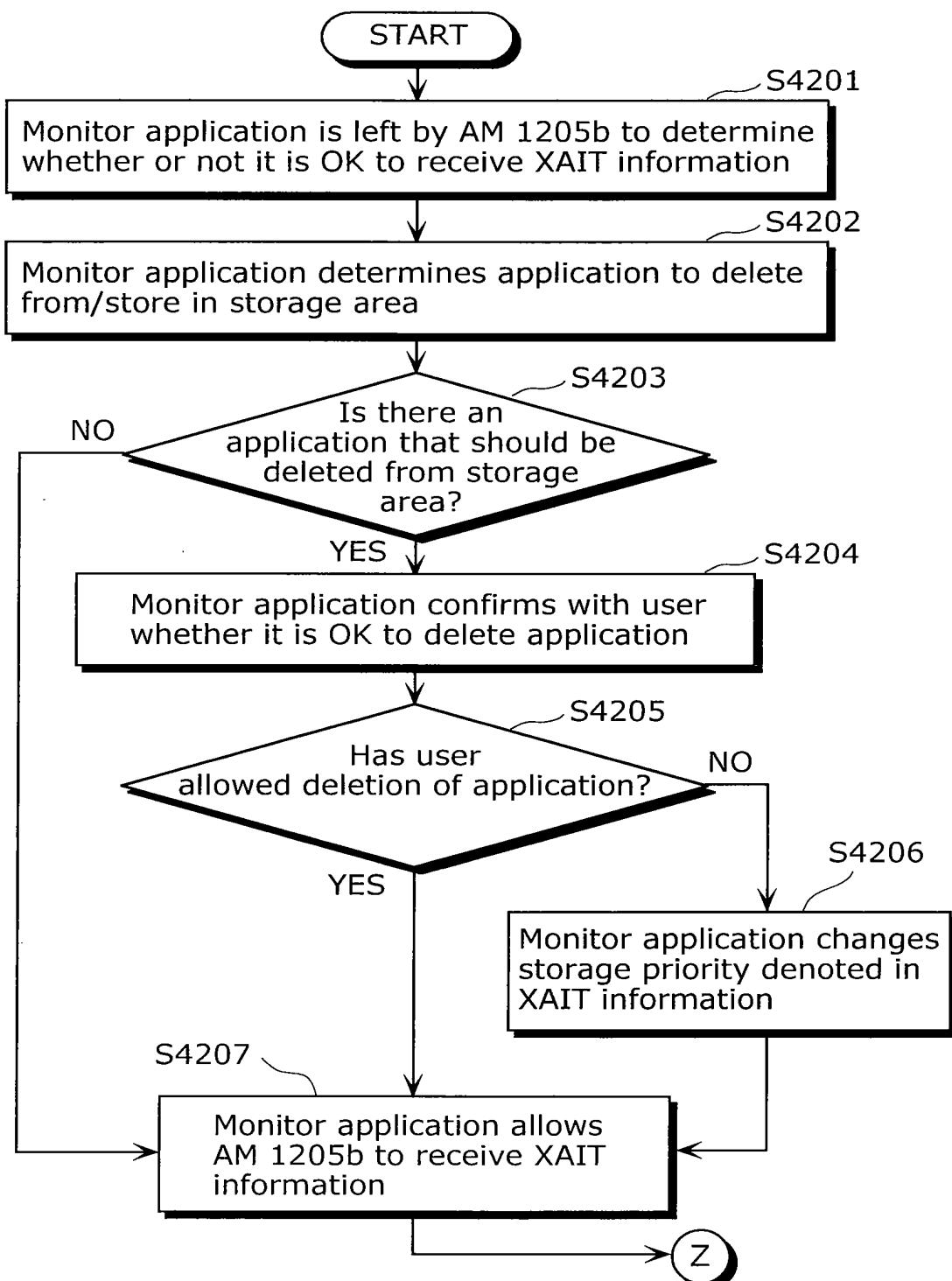


FIG. 45

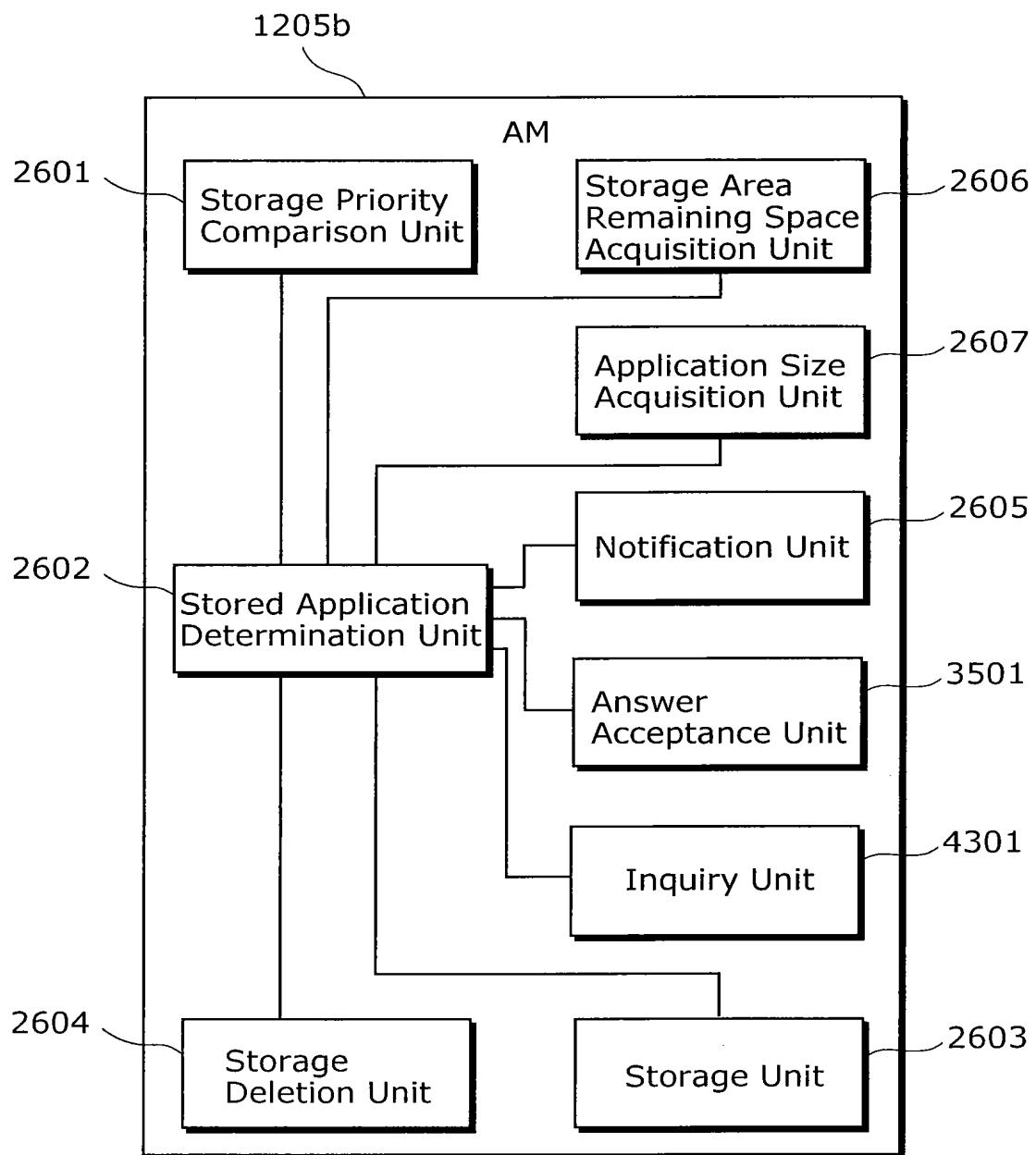


FIG. 46

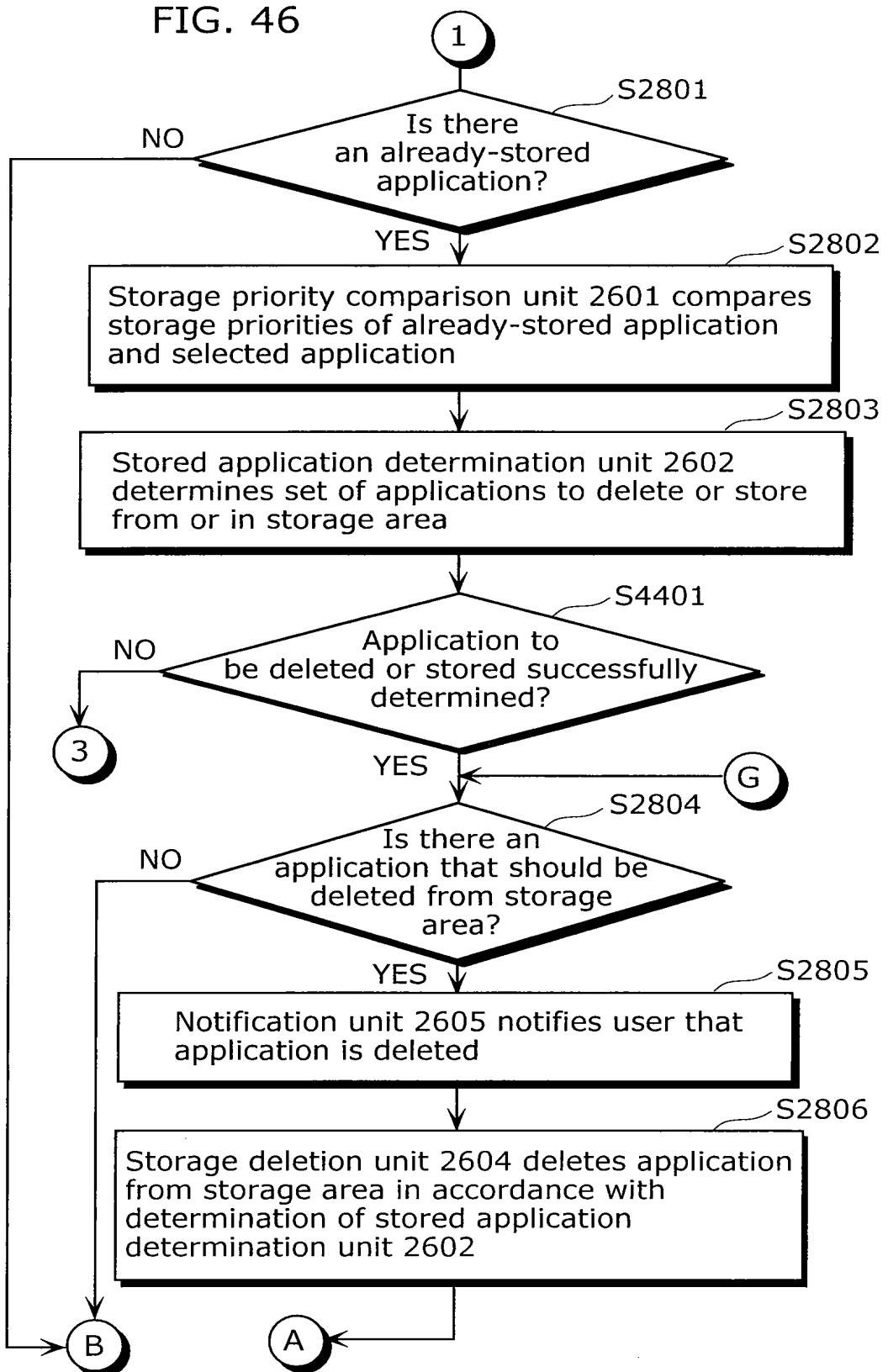


FIG. 47

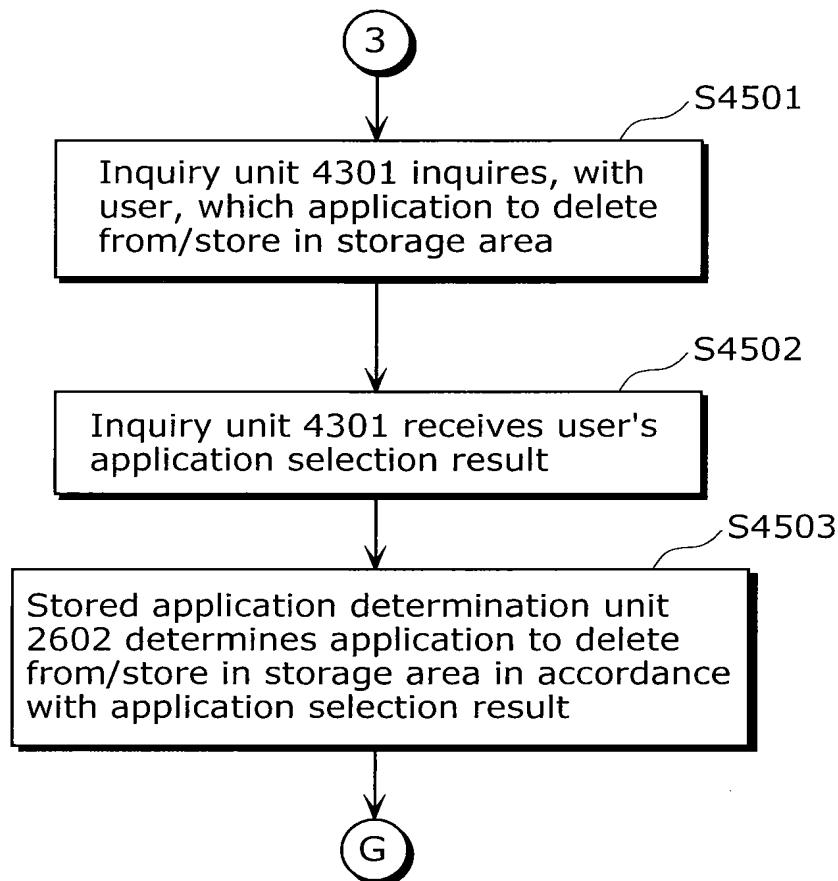


FIG. 48

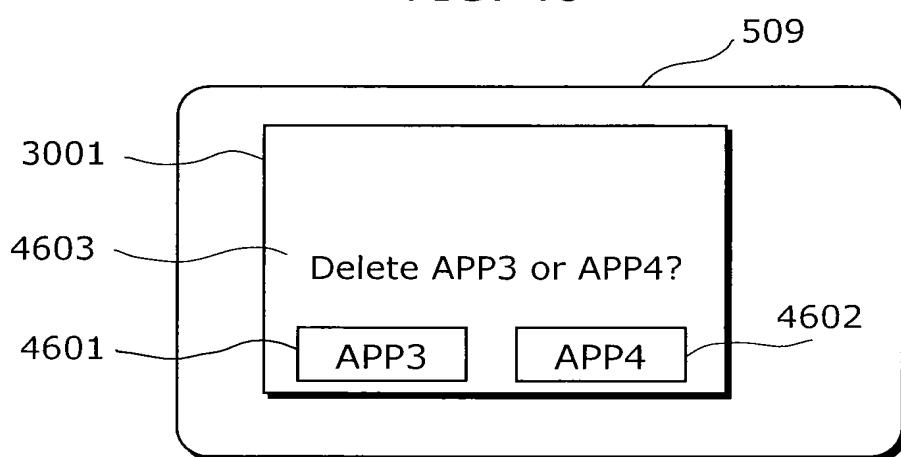


FIG. 49

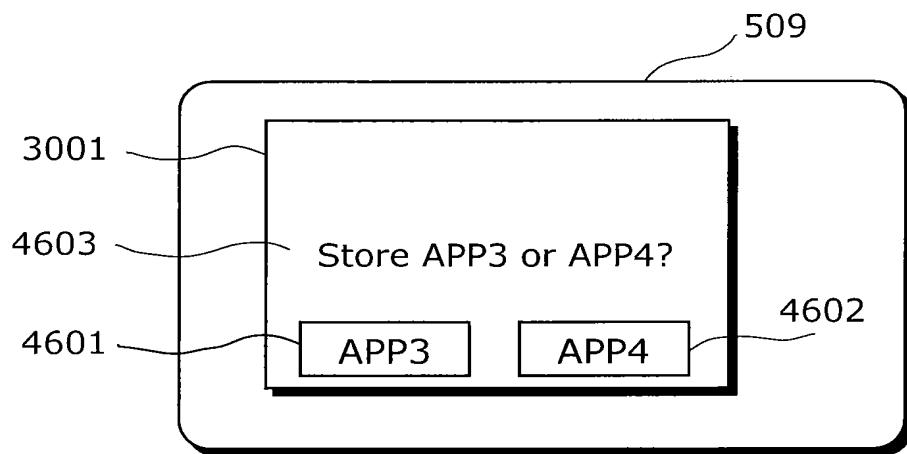


FIG. 50

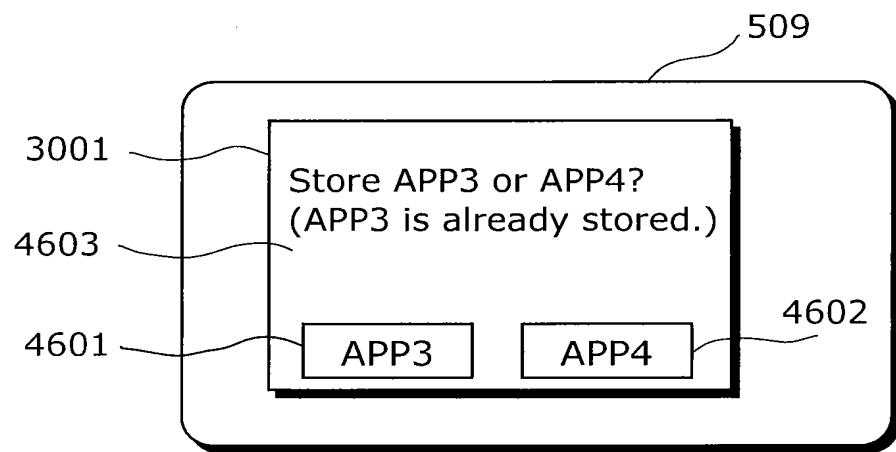


FIG. 51

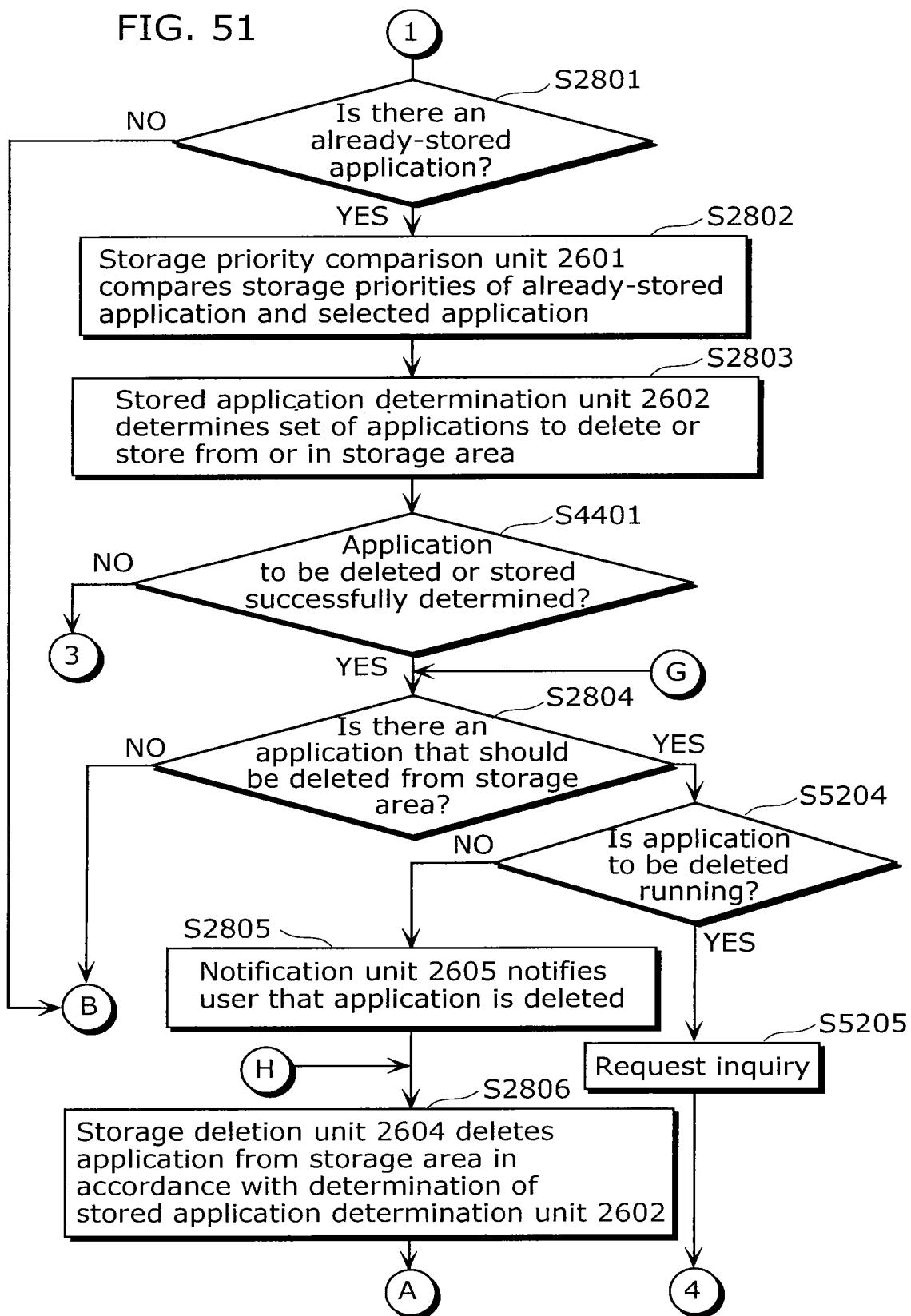


FIG. 52

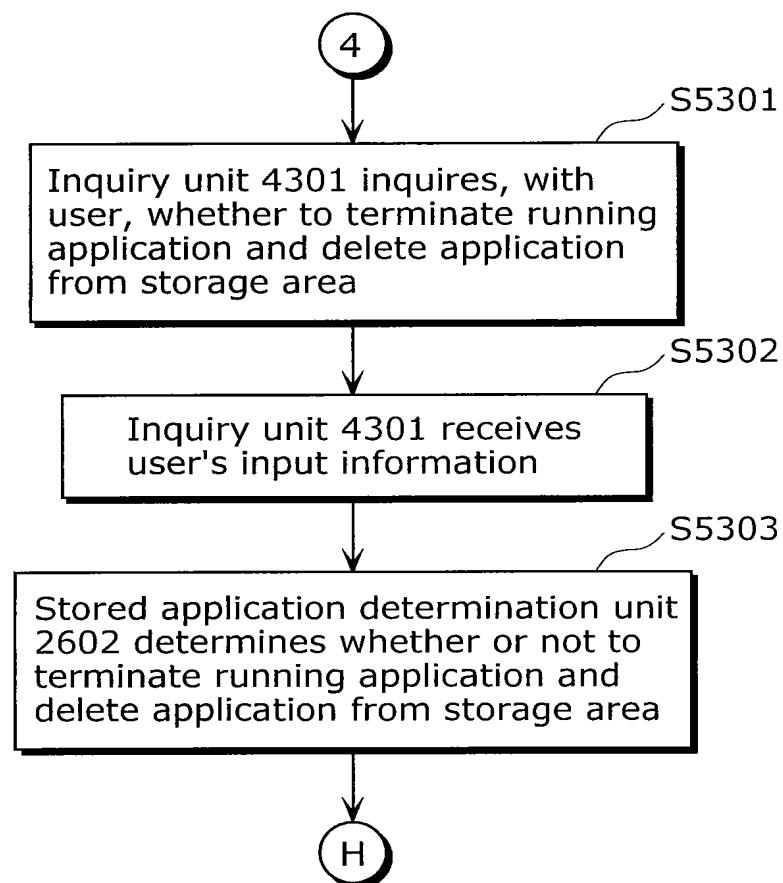


FIG. 53

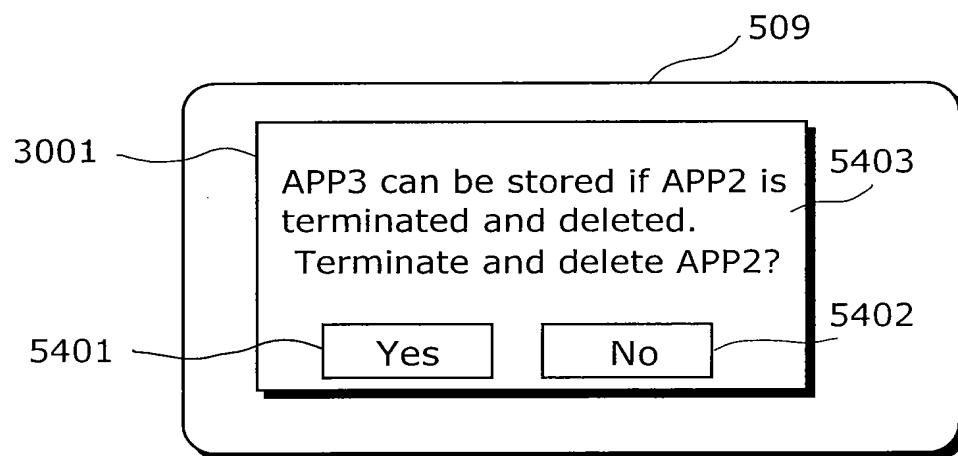


FIG. 54

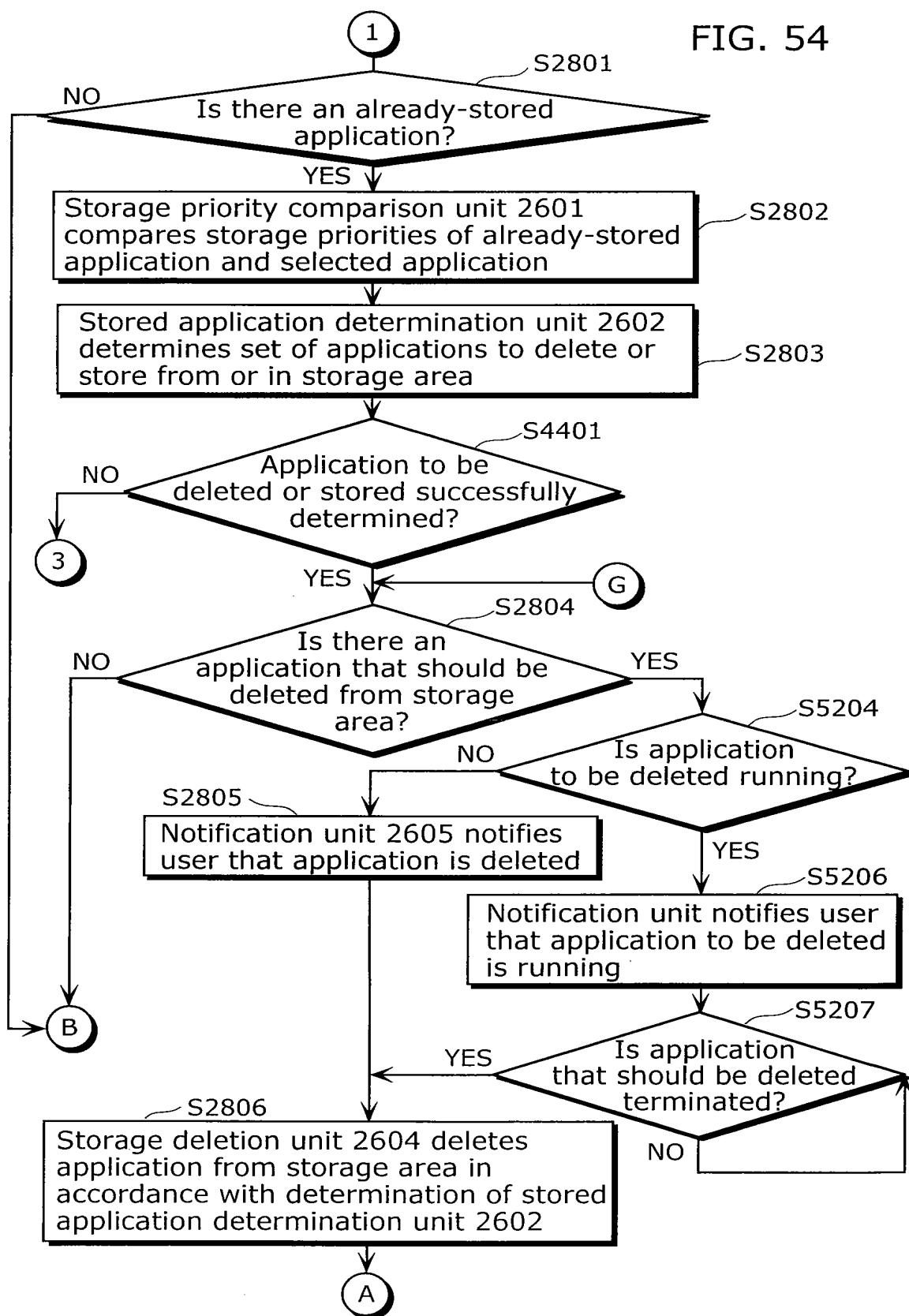


FIG. 55

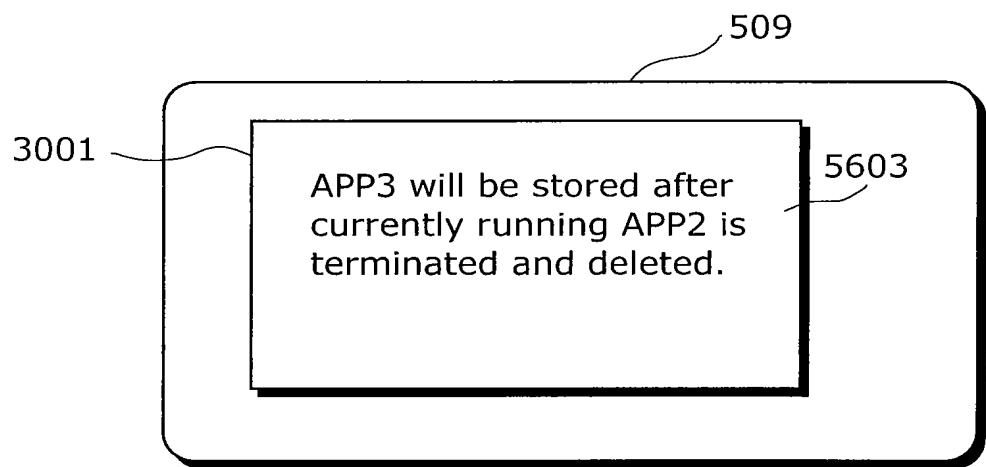


FIG. 56

2001	2002	4901	4902	2004	2005	2006	2007
4911							
4912	701	auto start	http	123.456.0.1	/a /APP1Xlet	200	100
	702	pre sent	ftp	123.456.0.2	/b /APP2Xlet	201	200
							APP1
							APP2